

Medida de la investigación: Los índices bibliométricos

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Instituto de Ciencias del Corazón (ICICOR)
Hospital Clínico Universitario



Medida de la investigación: los índices bibliométricos



Ministerio de Economía y Competitividad.
Secretaría de Estado de Investigación,
Desarrollo e Innovación

Currículum

 Ministerio de Sanidad y Consumo
Subdirección General de
Instituto de Investigación Sanitaria
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PARA PROYECTOS DE INVESTIGACIÓN

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Medida de la investigación: los índices bibliométricos



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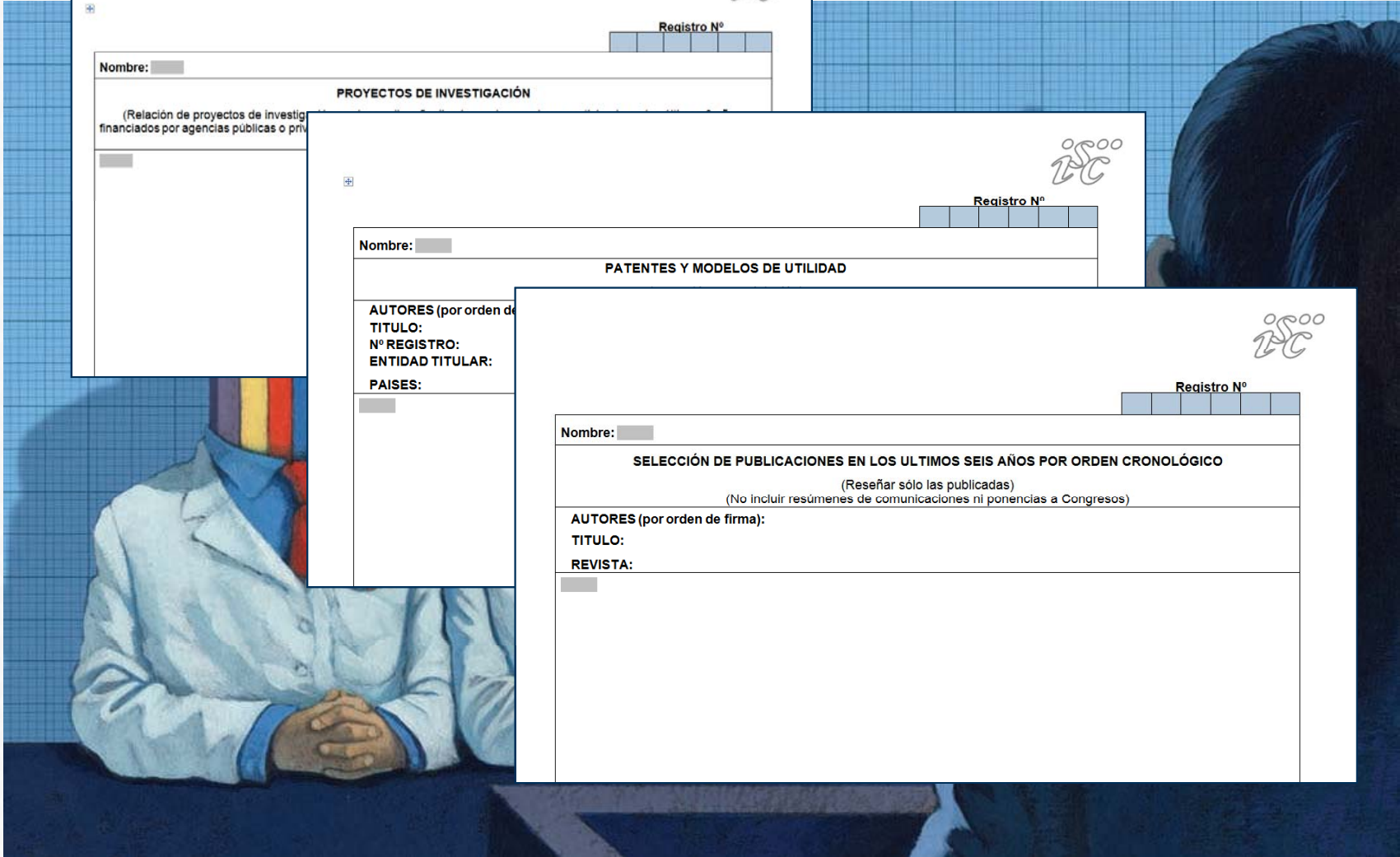
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Medida de la investigación: los índices bibliométricos



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Nombre:

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TÍTULO:

REVISTA:

Medida de la investigación: los índices bibliométricos

- Definición de índices o indicadores bibliométricos
- Tipos de indicadores bibliométricos
 - Factor o el índice de impacto
 - El creador de la idea
 - ¿Qué es?
 - ¿Cómo se busca?
 - Ventajas y críticas
 - El índice *h*
 - El creador de la idea
 - ¿Qué es?
 - ¿Cómo se calcula?
 - Ventajas y críticas
 - Otros índices derivados del índice *h*

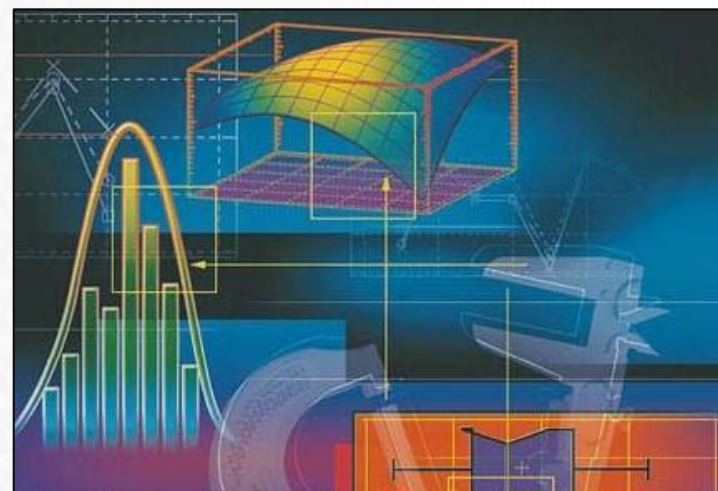
Los indicadores o índices bibliométricos: Definición

La **cienciometría** es la disciplina que se encarga de evaluar todas las actividades de I+D+i incluidas las económicas.

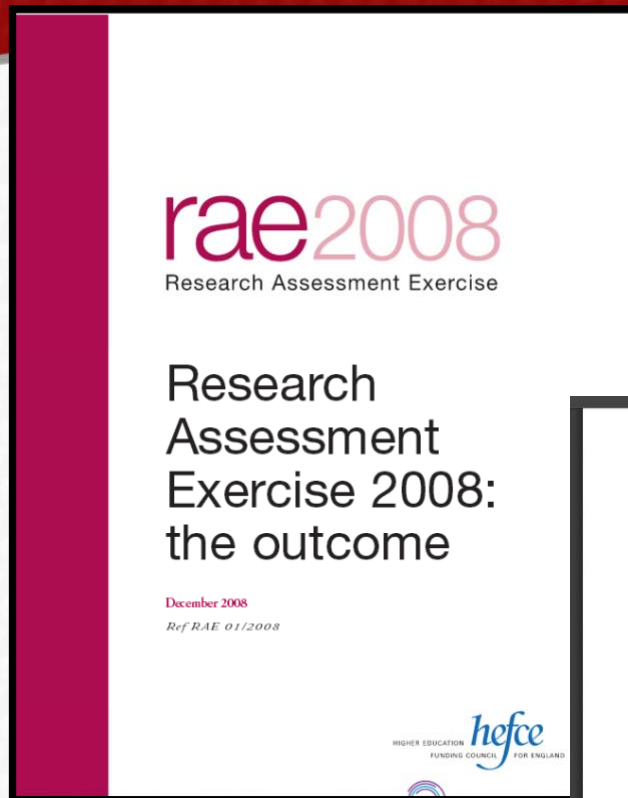
Y la bibliometría es una parte de la **cienciometría** que aplica métodos matemáticos y estadísticos a la literatura científica y a sus autores con el objetivo de analizar la actividad científica. Los instrumentos utilizados para medirla son los **indicadores o índices bibliométricos**.

Los indicadores son valores numéricos para poder cuantificarlos y así poder medirlos y compararlos entre otros indicadores de similares características, es decir, para evaluarlos

Para realizar una correcta evaluación hay que utilizar más de un indicador



Los indicadores o índices bibliométricos: Definición



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Los indicadores son va
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Tipos de indicadores bibliométricos

- **De producción**: recuento de publicaciones científicas
- **De circulación**: mide documentos en bibliotecas y bases datos
- **De dispersión**: mide si los trabajos se concentran en un número reducido o muy amplio de revistas
- **De uso de la literatura científica**: nº publicaciones y referencias
- **De colaboración**: mide las relaciones entre autores
- **De visibilidad o impacto**: mide las citas que reciben los documentos científicos
 - Índice de impacto o factor de impacto
 - Índice h de Hirsch (y los nuevos índices derivados del índice h)
- **De obsolescencia de la literatura científica**: mide la vida media de un artículo

El índice o factor de impacto: El creador de la idea

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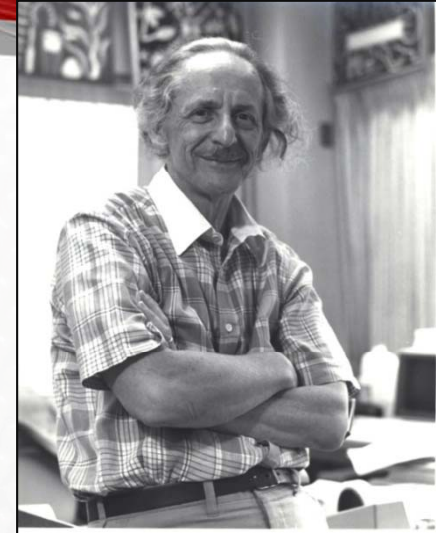
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El índice o factor de impacto: El creador de la idea

Eugene Garfield (Nueva York 1925)

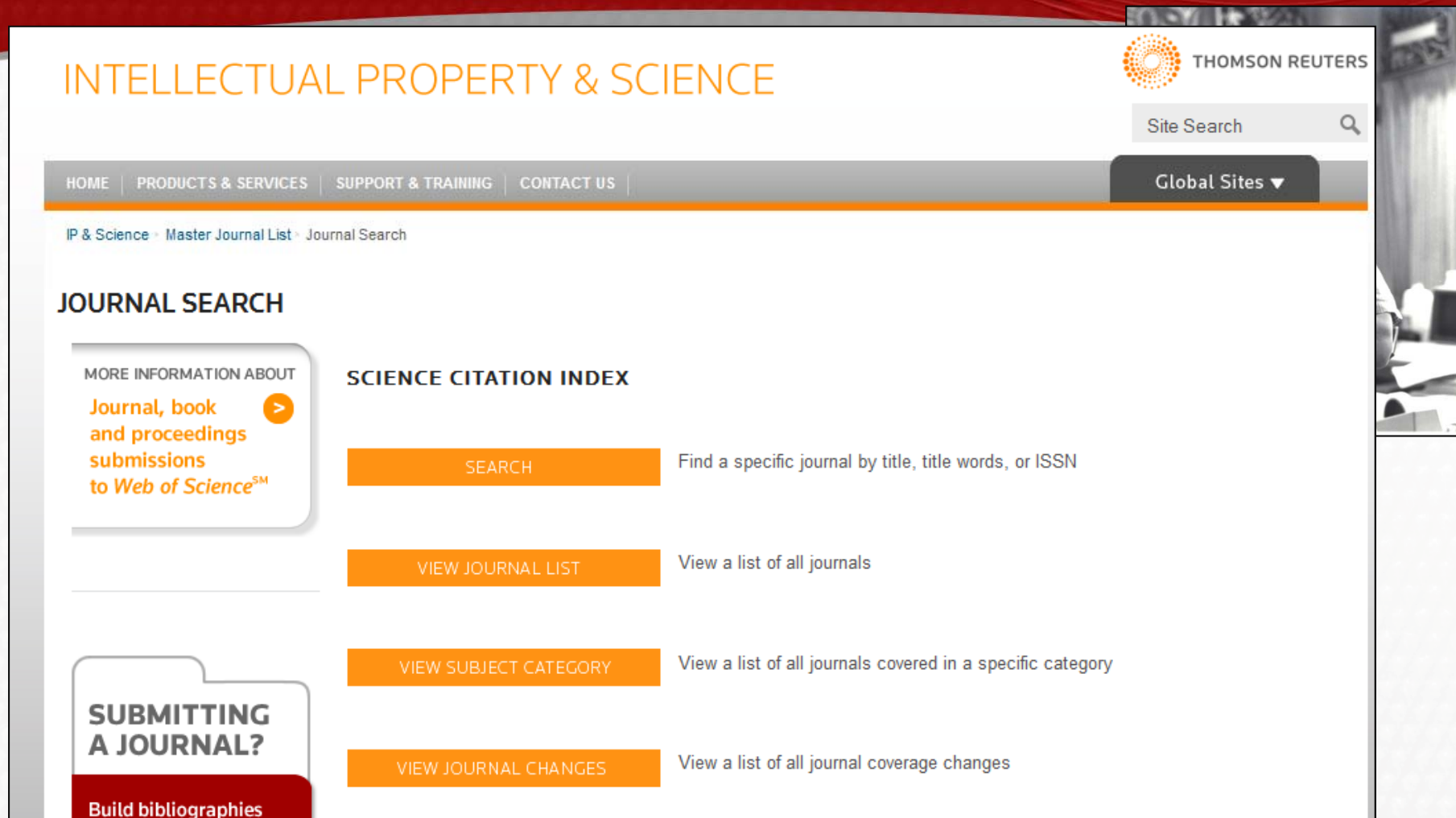
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- Autor de más de 1500 artículos
- Fundador del ISI (*Institute for Scientific Information*) 1960
Thomson ISI 1992
- Fundador y Editor Jefe *The Scientist* (1986)



El índice o factor de impacto: El creador de la idea



El índice o factor de impacto: El creador de la idea



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El índice o factor de impacto: El creador de la idea

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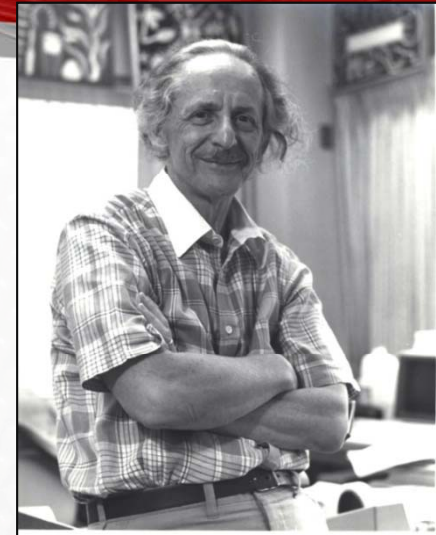
Requisitos para que una revista sea indexada

- Puntualidad con las fechas de publicación (diferente para las publicaciones on line que para las de papel)
- La información bibliográfica de la revista tiene que estar en inglés
- Tienen que tener revisión por pares “*peer review*”
- La revista tiene que aportar algo nuevo a un tema determinado que no lo hacen las revistas indexadas sobre ese tema, es decir, depende del contenido editorial de la misma.
- La diversidad internacional de los autores de los artículos
- El número de citas que recibe la revista incluyendo las autocitas. El 80% de las revistas indexadas tienen menos de un 20% de autocitas. Un uso inadecuado de las autocitas puede derivar en que la revista sea excluida del SCI

El índice o factor de impacto: El creador de la idea

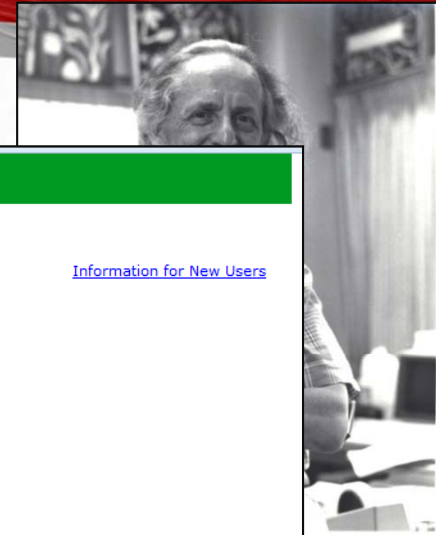
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El índice o factor de impacto: El creador de la idea

Eugene Garfield (Nueva York 1925)



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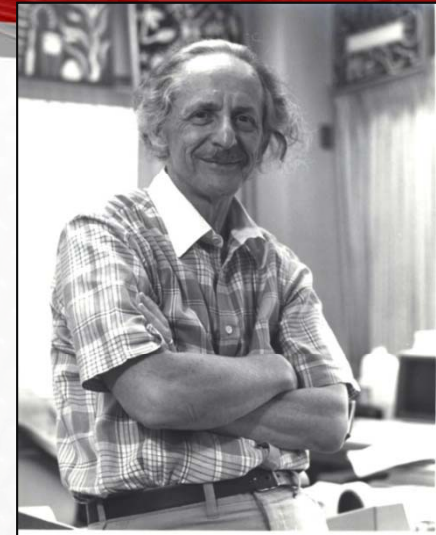
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- Creador del *Journal Citation Reports* *JCR*
- “*Journalology*” (Stephen Lock) la aplicación de la bibliometría a la evaluación revistas



El índice o factor de impacto: El creador de la idea

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populations that scarcely need vaccination, because of a low incidence of paralysis, already have an abundance of poliomyelitis strains in the community that are actively immunizing children soon after they are born.

References and Notes

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Citation Indexes for Science

A New Dimension in Documentation
through Association of Ideas

Eugene Garfield

"The uncritical citation of disputed data by a writer, whether it be deliberate or not, is a serious matter. Of course, knowingly propagandizing unsubstantiated claims is particularly abhorrent, but just as many naïve students may be swayed by unfounded assertions presented by a writer who is unaware of the criticisms. Buried in scholarly journals, critical notes are increasingly likely to be overlooked with the passage of time, while the studies to which they pertain, having been reported more widely, are apt to be rediscovered."¹

In this paper I propose a bibliographic system for science literature that can eliminate the uncritical citation of fraudulent, incomplete, or obsolete data by making it possible for the conscientious scholar to be aware of criticisms of earlier papers. It is too much to expect a research worker to spend an inordinate amount of time searching for the bibliographic descendants of antecedent papers. It would not be excessive to demand that the thorough scholar check all papers that have cited or criticized such papers, if they could be located quickly. The citation index makes this check practicable. Even if there were no other use for a citation index than that of minimizing the citation of poor data, the index would be well worth the effort required to compile it.

This paper considers the possible utility of a citation index that offers a new

approach to subject control of the literature of science. By virtue of its different construction, it tends to bring together material that would never be collated by the usual subject indexing. It is best described as an association-of-ideas index, and it gives the reader as much leeway as he requires. Suggestiveness through association-of-ideas is offered by conventional subject indexes but only within the limits of a particular subject heading.

If one considers the book as the macro unit of thought and the periodical article the micro unit of thought, then the citation index in some respects deals in the submicro or molecular unit of thought. It is here that most indexes are inadequate, because the scientist is quite often concerned with a particular idea rather than with a complete concept. "Thought" indexes can be extremely useful if they are properly conceived and developed.

In the literature-searching process, indexes play only a small, although significant, part. Those who seek comprehensive indexes in the literature of science fail to point out that such indexes, although they may be desirable, will provide only a hazy starting point rather than the one provided in the selective indexes at present available. One of the basic difficulties is to build subject indexes that can anticipate the infinite number of possible approaches the scientist may require. Proponents of classified indexes may suggest that classification is the solution to this problem, but this is by no means the

case. Classified indexes are also dependent upon a subject analysis of individual articles and, at best, offer us better consistency of indexing rather than greater specificity or multiplicity in the subject approach. Similarly, terminology is important, but even an ideal standardization of terminology and nomenclature will not solve the problem of subject analysis.

What seems to be needed, then, in addition to better and more comprehensive indexes, alphabetical and classified, are new types of bibliographic tools that can help to span the gap between the subject approach of these old classic documents—that is, authors—and the subject approach of the scientist who seeks information.

Since 1873 the legal profession has been provided with an invaluable research tool known as *Shepard's Citations*, published by Shepard's Citations, Inc., Colorado Springs, Colo. (2). A citation index is published for court cases in the 48 states as well as for cases in Federal courts. Briefly, the Shepard citation system is a listing of individual American court cases, each case being followed by a complete history, written in a simple code. Under each case is given a record of the publications that have referred to the case, the other court decisions that have affected the case, and any other references that may be of value to the lawyer. This type of listing is particularly important to the lawyer, because, in law, much is based on precedent.

Citation indexes depend on a simple system of coding entries, one that requires minimum space and facilitates the gathering together of a great volume of material. However, a code is not absolutely necessary if one chooses to compile a systematic listing of individual cases or reports, with a complete bibliographic history of each of them. Thus, it would be possible to list all pertinent references under each case with sufficient com-

Mr. Garfield is a consulting consultant with office at 1500 Spring Garden St., Philadelphia 191.



El índice o factor de impacto: ¿Qué es?

El factor de impacto de una revista es el número de veces que se cita por término medio un artículo publicado en una revista determinada en un periodo de dos años (los dos años previos).

Sirve para comparar revistas y evaluar la importancia relativa de una revista dentro de un mismo campo científico

$$\text{Factor impacto 2012} = \frac{\text{Citas en 2012 documentos publ 2010 y 2011}}{\text{Ítems citables en 2010 y 2011}}$$

Ítems citables: originales, revisiones, notas clínicas

Ítems no citables: cartas al editor, fe de erratas, editoriales, revisiones de libros, abstracts de congresos, etc...

El índice o factor de impacto: ¿Qué es?

Ejemplo:

Se trata de calcular el factor de impacto de una revista determinada para 2012

Citas en 2012 a documentos publicados en 2010 = 142

Citas en 2012 a documentos publicados en 2011 = 136

Total del numerador = 278

Número de ítems citables publicados en 2010 = 88

Número de ítems citables publicados en 2011 = 94

Total del denominador = 182

$$\text{Factor de impacto} = \frac{278}{182} = 1,527$$

No tiene sentido afirmar que el factor de impacto anterior es grande o pequeño sin compararlo con factores de impacto de revistas incluidas en la misma categoría

¿El índice o factor de impacto: ¿Cómo se busca?

- A través de la Web of Knowledge (WoK)
- Hay que tener acceso
- A nivel nacional el acceso es a través de la FECYT

¿El índice o factor de impacto: ¿Cómo se busca?

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SÍGUENOS EN LA RED

NOTICIAS SINC

Demostrado matemáticamente el delicado equilibrio de los sistemas interconectados

Un estudio, en el que participa la Universidad Rovira i Virgili y publicado este domingo en la revista Nature, analiza matemáticamente las relaciones de las redes y sus efectos. Es la primera vez que se demuestra que los

El índice o factor de impacto: ¿Cómo se busca?

The screenshot shows the homepage of the ACCESO WOK website. At the top, there is a browser address bar with the URL <https://www.accesowok.fecyt.es/>. Below the browser, the website header includes logos for the GOBIERNO DE ESPAÑA, MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD, FECYT (FUNDACIÓN ESPAÑOLA PARA LA CIENCIA Y LA TECNOLOGÍA), and WOK (WEB OF KNOWLEDGE DEL SISTEMA ESPAÑOL DE CIENCIA Y TECNOLOGÍA). A navigation bar contains links for INICIO, ¿QUÉ ES WOK?, and NUESTROS SERVICIOS. A sidebar on the right features a 'Loading' indicator and buttons for 'Atención al usuario: infowok@fecyt.es', 'NUEVA LICENCIA NACIONAL CONDICIONES NUEVO MODELO', 'ACCESO A LA WOK', and 'ACCESO A LAS BASES DE DATOS CANCELADAS'. The main content area is titled 'SERVICIOS' and lists six categories: ATENCIÓN AL USUARIO, INFORMACIÓN PARA INVESTIGADORES, GESTIÓN DE ADMINISTRADORES, CENTRO DE FORMACIÓN, RECOMENDACIONES DE USO, and OTROS SERVICIOS. Below this, a section titled 'LICENCIA DE ACCESO NACIONAL A LA WOK' explains that FECYT manages the national license for the Web of Knowledge (WOK) for various institutions. A 'NOTICIAS' section on the right lists recent updates, including intermittent access to WOK, a new release for September 29, additional information on the 2012 Impact Factor download, the 2013 Web of Knowledge training cycle, and the 2012 Impact Factor data download. A link for 'TODAS LAS NOTICIAS' is provided at the bottom of the news section.

https://www.accesowok.fecyt.es/

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INICIO ¿QUÉ ES WOK? NUESTROS SERVICIOS

Estás en: [Inicio](#)

SERVICIOS

ATENCIÓN AL USUARIO INFORMACIÓN PARA INVESTIGADORES GESTIÓN DE ADMINISTRADORES CENTRO DE FORMACIÓN RECOMENDACIONES DE USO OTROS SERVICIOS

LICENCIA DE ACCESO NACIONAL A LA WOK

La Fundación Española para la Ciencia y la Tecnología, FECYT, gestiona la licencia nacional de Web Of Knowledge (WOK) para que las Universidades, Organismos Públicos de Investigación, Centros Tecnológicos, Parques Científicos, Servicios de Investigación Agraria, Servicios de Investigación Sanitaria y Administración Pública de I+D tengan acceso a esta base de datos. Gracias a esta única gestión, todas estas instituciones obtienen inmejorables condiciones económicas y la accesibilidad tecnológica necesaria para poder consultar la WOK.

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Atención al usuario: infowok@fecyt.es

» NUEVA LICENCIA NACIONAL CONDICIONES NUEVO MODELO

» ACCESO A LA WOK

» ACCESO A LAS BASES DE DATOS CANCELADAS

NOTICIAS

» Cortes intermitentes en el acceso a la WoK

» Nueva Release de WoK prevista para el 29 de septiembre

» Información adicional sobre la descarga del Factor de Impacto 2012

» 2º Ciclo de formación presencial Web of Knowledge 2013

» Descarga de los datos Factor de Impacto 2012

[TODAS LAS NOTICIAS](#)

El índice o factor de impacto: ¿Cómo se busca?

FECYT. Fundación Española para la Ci... x Acceso mediante login a la Web of K... x +

https://idp.fecyt.es/adas/SAML2/SSOService.php?SAMLRequest=hZJBb4JAEIX%2FCtm7wKJG3QgJ1UNNbCVCe%2BilWWCQTZddiyil%2Fvui2Ggv9jxv3pv3: ☆ ▼ C 8 Google

 GOBIERNO DE ESPAÑA  MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD  **FECYT** FUNDACIÓN ESPAÑOLA PARA LA CIENCIA Y LA TECNOLOGÍA  **WOK** WEB OF KNOWLEDGE DEL SISTEMA ESPAÑOL DE CIENCIA Y TECNOLOGÍA

INICIO ¿QUÉ ES WOK? NUESTROS SERVICIOS CONTACTO

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apps.webofknowledge.com/UA_GeneralSearch_input.do?product=UA&search_mode=GeneralSearch&SID=W21Q9WYATWgpRP85Cn4&preferencesSavec ☆ Google

WEB OF KNOWLEDGESM | DI | Sign In | M

Go to mobile site

ResearcherID | Citation Alerts | Saved Searches | Log Out | Help

All Databases Select a Database Web of Science

Search Search History

All Databases

Search

Example: oil spill* mediterranean

AND in Author Select from Index

Example: O'Brian C* OR O'Brian C*

AND in Publication Name Select from Index

Example: Cancer* OR Journal of Cancer Research and Clinical Oncology

Add Another Field >>

Search Clear

Limits: (To save these permanently, [sign in](#) or [register](#).)

Timespan

☒ All years

☐ From 1900 to 2013 (default is all years)

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El índice o factor de impacto: ¿Cómo se busca?

The screenshot shows the Web of Knowledge website interface. The browser's address bar displays the URL: `apps.webofknowledge.com/additional_resources.do?highlighted_tab=additional_resources&product=UA&SID=W21Q9WYATWgpRP85Cn4&cacheurl=nc`. The page header includes the 'WEB OF KNOWLEDGE' logo and the tagline 'DISCOVERY STARTS HERE'. Navigation links at the top include 'Sign In', 'Marked List (0)', 'EndNote', 'ResearcherID', 'Citation Alerts', 'Saved Searches', and 'Log'. A secondary navigation bar contains tabs for 'All Databases', 'Select a Database', 'Web of Science', and 'Additional Resources'. The 'Additional Resources' section is active, displaying a list of tools. The 'Analytical Tools' category is expanded, and 'Journal Citation Reports' is highlighted with a yellow box. Other visible tools include 'Essential Science Indicators', 'Science Watch', 'Thomson Reuters', and 'Scientific WebPlus'. A sidebar on the right features the 'FECYT Consortium Government Group' logo and a section titled 'How can I use these res' with a note about opening resource links in a second browser window. The footer contains a language selection menu and copyright information for 2013 Thomson Reuters.

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How can I use these res

These products and Web sites variety of data and analysis rele research.

Note: All of the resource links w second browser window.

El índice o factor de impacto: ¿Cómo se busca?

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Subject Category

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BIODIVERSITY CONSERVATION

BIOLOGY

BIOPHYSICS

BIOTECHNOLOGY & APPLIED MICROBIOLOGY

CARDIAC & CARDIOVASCULAR SYSTEMS

CELL & TISSUE ENGINEERING

CELL BIOLOGY

CHEMISTRY, ANALYTICAL

2) Select to view Journal data

 **View Journal Data** - sort by:

El índice o factor de impacto: ¿Cómo se busca?

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BIODIVERSITY CONSERVATION
BIOLOGY
BIOPHYSICS
BIOTECHNOLOGY
CARDIAC & VASCULAR BIOLOGY
CELL & TISSUE BIOLOGY
CELL BIOLOGY
CHEMISTRY

2) Select to view Journal data

View Journal Data - sort by: Journal Title
View Category Data - sort by: Journal Title

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Journal Title
Total Cites
Impact Factor
Immediacy Index
Current Articles
Cited Half-Life
5-Year Impact Factor
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Page 1 of 8

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data ⁱ						Eigenfactor [®] Metrics ⁱ	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
	1	CELL STEM CELL	1934-5909	12593	25.315	27.361	4.336	122	3.3	0.10026	13.047
	2	CIRCULATION	0009-7322	152281	15.202	15.385	2.980	592	8.7	0.31531	6.020
	3	EUR HEART J	0195-668X	32629	14.097	11.991	3.451	273	5.3	0.11264	4.361
	4	J AM COLL CARDIOL	0735-1097	73021	14.086	13.710	3.340	427	6.6	0.20642	5.130
	5	CIRC RES	0009-7330	46448	11.861	11.028	2.465	275	8.2	0.09819	3.806
	6	NAT REV CARDIOL	1759-5002	1672	10.400	10.155	1.647	51	2.4	0.01063	3.926
	7	STEM CELLS	1066-5099	18253	7.701	8.368	1.297	269	5.0	0.06738	2.734
	8	CIRC-CARDIOVASC GENE	1942-325X	1641	6.728	6.398	1.171	82	2.5	0.01063	2.526
	9	CIRC-HEART FAIL	1941-3289	2007	6.684	6.670	1.419	93	2.6	0.01372	2.816
	10	JACC-CARDIOVASC INTE	1936-8798	3378	6.552	6.834	1.603	126	2.8	0.02366	2.920
	11	CIRC-CARDIOVASC INTE	1941-7640	1534	6.543	6.239	1.237	97	2.5	0.01027	2.601
	12	JACC-CARDIOVASC IMAG	1936-878X	2977	6.164	6.703	1.717	113	2.9	0.01814	2.509
	13	CIRC-ARRHYTHMIA ELEC	1941-3149	2173	5.947	6.434	1.175	143	2.7	0.01539	2.833
	14	CARDIOVASC RES	0008-6363	20689	5.940	6.113	1.689	222	7.0	0.04588	1.922
	15	BASIC RES CARDIOL	0300-8428	3292	5.904	5.362	1.167	72	4.6	0.00840	1.351
	16	CIRC-CARDIOVASC IMAG	1941-9651	1650	5.795	6.579	1.179	84	2.6	0.01123	2.737
	17	CIRC-CARDIOVASC QUAL	1941-7705	1551	5.658	5.647	1.430	100	2.6	0.01294	2.974
	18	INT J CARDIOL	0167-5273	12371	5.509	4.125	1.681	326	4.4	0.03334	1.035
	19	EUR J HEART FAIL	1388-9842	5824	5.247	4.738	1.469	147	4.2	0.02074	1.455

¿Cómo se busca el Factor de Impacto?

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Impact Factor

Journals 1 20 (of 141)

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Page 1 of 8

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	Total Cites	Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
☐	1	CELL STEM CELL	1934-5909	12593	25.315	4.336	122	3.3	0.10026	13.047
☐	2	CIRCULATION	0009-7322	152281	15.202	2.980	592	8.7	0.31531	6.020
☐	3	EUR HEART J	0195-668X	32629	14.097	3.451	273	5.3	0.11264	4.361
☐	4	J AM COLL CARDIOL	0735-1097	73021	14.086	3.340	427	6.6	0.20642	5.130
☐	5	CIRC RES	0009-7330	46448	11.861	2.465	275	8.2	0.09819	3.806
☐	6	NAT REV CARDIOL	1759-5002	1672	10.400	1.647	51	2.4	0.01063	3.926
☐	7	STEM CELLS	1066-5099	18253	7.701	1.297	269	5.0	0.06738	2.734
☐	8	CIRC-CARDIOVASC GENE	1942-325X	1641	6.684	1.171	82	2.5	0.01063	2.526
☐	9	CIRC-HEART FAIL	1941-3289	2007	6.552	1.419	93	2.6	0.01372	2.816
☐	10	JACC-CARDIOVASC INTE	1936-8798	3378	6.543	1.603	126	2.8	0.02366	2.920
☐	11	CIRC-CARDIOVASC INTE	1941-7640	1534	6.164	1.237	97	2.5	0.01027	2.601
☐	12	JACC-CARDIOVASC IMAG	1936-878X	2977	5.947	1.717	113	2.9	0.01814	2.509
☐	13	CIRC-ARRHYTHMIA ELEC	1941-3149	2173	5.940	1.175	143	2.7	0.01539	2.833
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☐	18	INT J CARDIOL	0167-5273	12371	5.509	1.681	326	4.4	0.03334	1.035
☐	19	EUR J HEART FAIL	1388-9842	5824	5.247	1.469	147	4.2	0.02074	1.455

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Journal Summary List

Journals from: **subject categories CARDIAC & CARDIOVASCULAR SYSTEMS** [VIEW CATEGORY SUMMARY LIST](#)

Sorted by:

Page 1 of 7

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data ⁱ						Eigenfactor [®] Metrics ⁱ	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
	1	ACTA CARDIOL	0001-5385	750	0.607	0.630	0.037	107	6.6	0.00165	0.173
	2	ACTA CARDIOL SIN	1011-6842	97	0.667	0.383	0.024	42		0.00010	0.028
	3	AM HEART J	0002-8703	20000	4.497	4.559	0.843	249	7.8	0.05285	1.872
	4	AM J CARDIOL	0002-9149	34877	3.209	3.408	0.721	594	8.8	0.07015	1.234
	5	AM J CARDIOVASC DRUG	1175-3277	708	2.069	1.872	0.487	39	5.2	0.00193	0.525
	6	AM J PHYSIOL-HEART C	0363-6135	32717	3.629	3.855	0.717	400	8.1	0.06065	1.207
	7	ANADOLU KARDIYOL DER	1302-8723	466	0.715	0.579	0.353	102	3.4	0.00117	0.114
	8	ANN CARDIOL ANGEIOL	0003-3928	198	0.295	0.239	0.024	82	6.9	0.00031	0.051
	9	ANN NONINVAS ELECTRO	1082-720X	634	1.084	1.056	0.111	54	6.7	0.00137	0.294
	10	ANN THORAC CARDIOVAS	1341-1098	680	0.466		0.069	116	6.2	0.00156	
	11	ANN THORAC MED	1817-1737	203	1.123		0.226	31	3.3	0.00083	
	12	ANN THORAC SURG	0003-4975	28097	3.454	3.664	0.963	510	8.2	0.06180	1.345
	13	ARCH CARDIOVASC DIS	1875-2136	505	1.662	1.531	0.186	86	3.1	0.00284	0.512
	14	ARO BRAS CARDIOL	0066-782X	1843	1.130	1.210	0.222	167	5.0	0.00372	0.236
	15	BASIC RES CARDIOL	0300-8428	3292	5.904	5.362	1.167	72	4.6	0.00840	1.351
	16	BMC CARDIOVASC DISOR	1471-2261	773	1.457		0.090	122	4.4	0.00297	
	17	CAN J CARDIOL	0828-282X	2735	3.122	2.754	1.060	116	5.3	0.00799	0.917
	18	CARDIOL CLIN	0733-8651	748	1.322	1.114	0.102	49	8.8	0.00153	0.370
	19	CARDIOL J	1897-5593	472	1.147		0.149	101	3.0	0.00235	

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Journals from: **subject categories CARDIAC & CARDIOVASCULAR SYSTEMS** [VIEW CATEGORY SUMMARY LIST](#)

Journals 1 - 20 (of 124)

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Page 1 of 7

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data ⁱ						Eigenfactor [®] Metrics ⁱ	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
☐	1	ACTA CARDIOL	0001-5385	750	0.607	0.630	0.037	107	6.6	0.00165	0.173
☐	2	ACTA CARDIOL SIN	1011-6842	97	0.667	0.383	0.024	42		0.00010	0.028
☐	3	AM HEART J	0002-8703	20000	4.497	4.559	0.843	249	7.8	0.05285	1.872
☐	4	AM J CARDIOL	0002-9149	34877	3.209	3.408	0.721	594	8.8	0.07015	1.234
☐	5	AM J CARDIOVASC DRUG	1175-3277	708	2.069	1.872	0.487	39	5.2	0.00193	0.525
☐	6	AM J PHYSIOL-HEART C	0363-6135	32717	3.629	3.855	0.717	400	8.1	0.06065	1.207
☐	7	ANADOLU KARDIYOL DER	1302-8723	466	0.715	0.579	0.353	102	3.4	0.00117	0.114
☐	8	ANN CARDIOL ANGEIOL	0003-3928	198	0.295	0.239	0.024	82	6.9	0.00031	0.051
☐	9	ANN NONINVAS ELECTRO	1082-720X	634	1.084	1.056	0.111	54	6.7	0.00137	0.294
☐	10	ANN THORAC CARDIOVAS	1341-1098	680	0.466		0.069	116	6.2	0.00156	
☐	11	ANN THORAC MED	1817-1737	203	1.123		0.226	31	3.3	0.00083	
☐	12	ANN THORAC SURG	0003-4975	28097	3.454	3.664	0.963	510	8.2	0.06180	1.345
☐	13	ARCH CARDIOVASC DIS	1875-2136	505	1.662	1.531	0.186	86	3.1	0.00284	0.512
☐	14	ARO BRAS CARDIOL	0066-782X	1843	1.130	1.210	0.222	167	5.0	0.00372	0.236
☐	15	BASIC RES CARDIOL	0300-8428	3292	5.904	5.362	1.167	72	4.6	0.00840	1.351
☐	16	BMC CARDIOVASC DISOR	1471-2261	773	1.457		0.090	122	4.4	0.00297	
☐	17	CAN J CARDIOL	0828-282X	2735	3.122	2.754	1.060	116	5.3	0.00799	0.917
☐	18	CARDIOL CLIN	0733-8651	748	1.322	1.114	0.102	49	8.8	0.00153	0.370
☐	19	CARDIOL J	1897-5593	472	1.147		0.149	101	3.0	0.00235	

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	SEARCH

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Journals from: search Full Journal Title for 'AMERICAN**'

Sorted by: Journal Title

Journal Title Changes

Journals 1 - 20 (of 94)

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Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data ^j						Eigenfactor® Metrics ^j	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor® Score	Article Influence® Score
☐	1	AM BEE J	0002-7626	373	0.090	0.100	0.031	130	>10.0	0.00035	0.035
☐	2	AM BIOL TEACH	0002-7685	518	0.390	0.396	0.246	57	>10.0	0.00051	0.109
☐	3	AM CERAM SOC BULL	0002-7812	1322	0.762	0.317	0.104	48	>10.0	0.00037	0.104
☐	4	AM FAM PHYSICIAN	0002-838X	4152	1.611	1.888	0.410	100	8.4	0.00596	0.530
☐	5	AM FERN J	0002-8444	353	0.404	0.500	0.000	20	>10.0	0.00031	0.144
☐	6	AM HEART J	0002-8703	20000	4.497	4.559	0.843	249	7.8	0.05285	1.872
☐	7	AM J AGR ECON	0002-9092	4462	0.990	1.507	0.263	99	>10.0	0.00753	0.796
☐	8	AM J ALZHEIMERS DIS	1533-3175	953	1.518		0.197	71	5.3	0.00259	
☐	9	AM J AUDIOL	1059-0889	326	0.865		0.257	35	7.1	0.00088	
☐	10			1274	3.597	3.766	4.482	56	3.8	0.00410	1.340
☐	11			14538	2.586	3.106	0.556	322	>10.0	0.02051	1.087
☐	12	AM J CARDIOL		34877	3.209	3.408	0.721	594	8.8	0.07015	1.234
☐	13			708	2.069	1.872	0.487	39	5.2	0.00193	0.525
☐	14	AM J CHINESE MED	0192-415X	2014	2.281	1.969	0.229	96	6.3	0.00236	0.282
☐	15	AM J CLIN DERMATOL	1175-0561	1362	1.844	1.930	0.306	36	7.7	0.00293	0.617
☐	16	AM J CLIN NUTR	0002-9165	48233	6.504	7.196	1.200	325	8.6	0.08750	2.295
☐	17	AM J CLIN ONCOL-CANC	0277-3732	3213	2.552	2.246	0.440	100	8.0	0.00689	0.747
☐	18	AM J CLIN PATHOL	0002-9173	10210	2.881	2.885	0.478	203	9.9	0.01627	0.901
☐	19	AM J CRIT CARE	1062-3264	1541	1.413	1.888	0.473	55	7.4	0.00279	0.543
☐	20	AM J DENT	0894-8275	1633	1.057	1.372	0.130	69	9.1	0.00244	0.377

MARK ALL UPDATE MARKED LIST

Journals 1 - 20 (of 94)

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2012 JCR Science Edition

Journal: AMERICAN JOURNAL OF CARDIOLOGY

Mark	Journal Title	ISSN	Total Cites	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
☐	AM J CARDIOL	0002-9149	34877	0.721	594	8.8	6.6

[Cited Journal](#) [Citing Journal](#) [Source](#)

Impact Factor

3.209

Journal Information

Full Journal Title: AMERICAN JOURNAL OF CARDIOLOGY
ISO Abbrev. Title: Am. J. Cardiol.
JCR Abbrev. Title: AM J CARDIOL
ISSN: 0002-9149
Issues/Year: 24
Language: ENGLISH
Journal Country/Territory: UNITED STATES
Publisher: EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC
Publisher Address: 685 ROUTE 202-206 STE 3, BRIDGEWATER, NJ 08807
Subject Categories: CARDIAC & CARDIOVASCULAR SYSTEMS

Journal Rank in Categories: [JOURNAL RANKING](#)

Journal Impact Factor

Cites in 2012 to items published in: 2011 = 1661 Number of items published in: 2011 = 595
2010 = 2186 2010 = 604
Sum: 3847 Sum: 1199

Calculation: $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{3847}{1199} = 3.209$

5-Year Journal Impact Factor

Cites in {2012} to items published in: 2011 = 1661 Number of items published in: 2011 = 595
2010 = 2186 2010 = 604

Eigenfactor[®] Metrics

Eigenfactor[®] Score: 0.07015
Article Influence[®] Score: 1.234

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2012 JCR Science Edition

Journal: AMERICAN JOURNAL OF CARDIOLOGY

Mark	Journal Title	ISSN	Total Cites	Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
☐	AM J CARDIOL	0002-9149	34877		0.721	594	8.8	6.6

[Cited Journal](#) [Citing Journal](#) [Source](#)

Journal Information ⓘ

Full Journal Title: AMERICAN JOURNAL OF CARDIOLOGY
ISO Abbrev. Title: Am. J. Cardiol.
JCR Abbrev. Title: AM J CARDIOL
ISSN: 0002-9149
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Journal Country/Territory: UNITED STATES
Publisher: EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC
Publisher Address: 685 ROUTE 202-206 STE 3, BRIDGEWATER, NJ 08807
Subject Categories: CARDIAC & CARDIOVASCULAR SYSTEMS [SCOPE NOTE](#)

Journal Rank in Categories: [JOURNAL RANKING](#)

Eigenfactor[®] Metrics

Eigenfactor[®] Score
0.07015
Article Influence[®] Score
1.234

Additional Links

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5-Year Journal Impact Factor ⓘ

Cites in {2012} to items published in: 2011 = 1661 Number of items published in: 2011 = 595
2010 = 3186 2010 = 581

El índice o factor de impacto: ¿Cómo se busca?

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Journal Citation Reports[®]

2012 JCR Science Edition

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Journal: INFLAMMATION RESEARCH

Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
2852	1.964	2.042	0.357	154	6.6	7.8

Source Data Journal Self Cites

CITED JOURNAL DATA CITING JOURNAL DATA IMPACT FACTOR TREND RELATED JOURNALS

Journal Information

Full Journal Title: INFLAMMATION RESEARCH
ISO Abbrev. Title: Inflamm. Res.
JCR Abbrev. Title: INFLAMM RES
ISSN: 1023-3830

Eigenfactor[®] Metrics
Eigenfactor[®] Score: 0.00621
Article Influence[®] Score

Subject Categories: CELL BIOLOGY IMMUNOLOGY

SCOPE NOTE VIEW JOURNAL SUMMARY LIST VIEW CATEGORY DATA

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Journal Rank in Categories: JOURNAL RANKING

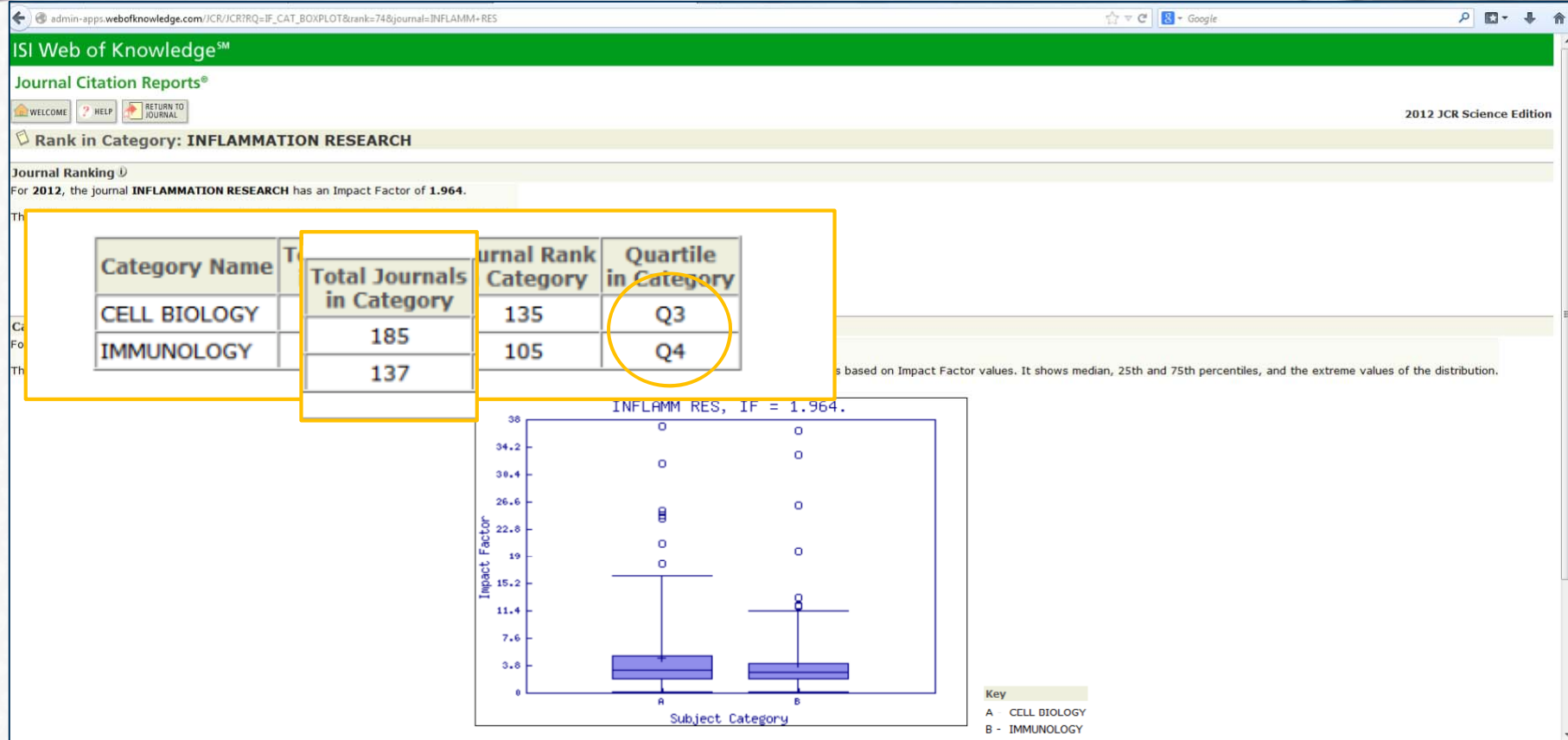
Journal Impact Factor

Cites in 2012 to items published

Calculation: Cites to recent items 274

5-Year Journal Impact Factor

El índice o factor de impacto: ¿Cómo se busca?



El índice o factor de impacto: ¿Cómo se busca?

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Journals from: **subject categories CELL BIOLOGY** [VIEW CATEGORY SUMMARY LIST](#) [Journal Title Changes](#)

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Journals 121 - 140 (of 185) [MARK ALL](#) [UPDATE MARKED LIST](#)

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				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
☐	121	CELL ONCOL	2211-3428	620	2.400	2.774	0.378	45	4.0	0.00252	0.859
☐	122	DEV GROWTH DIFFER	0012-1592	1974	2.397	2.341	0.586	70	6.2	0.00646	0.942
☐	123	DNA CELL BIOL	1044-5498	2712	2.344	2.396	0.601	218	7.0	0.00483	0.592
☐	124	CELL BIOL TOXICOL	0742-2091	1253	2.338	2.159	0.471	34	6.9	0.00236	0.549
☐	125	CELL ADHES MIGR	1933-6918	764	2.336	2.298	0.536	56	3.0	0.00497	0.892
☐	126	MOL CELL BIOCHEM	0300-8177	9825	2.329	2.185	0.553	436	8.0	0.01758	0.584
☐	127	CELL MOL NEUROBIOL	0272-4340	3041	2.293	2.237	0.545	134	6.3	0.00631	0.602
☐	128	HISTOL HISTOPATHOL	0213-3911	3576	2.281	2.226	0.551	156	6.0	0.00844	0.636
☐	129	CELL PROLIFERAT	0960-7722	1736	2.265	2.818	0.433	60	5.2	0.00485	0.778
☐	130	GROWTH HORM IGF RES	1096-6374	1257	2.256	2.082	0.200	40	5.6	0.00321	0.581
☐	131	J HISTOCHEM CYTOCHEM	0022-1554	7572	2.255	2.534	0.556	81	>10.0	0.00755	0.796
☐	132	PLATELETS	0953-7104	1748	2.240	2.391	0.538	78	5.3	0.00450	0.633
☐	133	MOL CELLS	1016-8478	2731	2.210	2.077	0.277	148	5.0	0.00787	0.608
☐	134	INFLAMM RES	1016-8478	2731	2.210	2.077	0.277	148	5.0	0.00787	0.608
☐	135	INFLAMM RES	1016-8478	2731	2.210	2.077	0.277	148	5.0	0.00787	0.608
☐	136	INFLAMM RES	1016-8478	2731	2.210	2.077	0.277	148	5.0	0.00787	0.608
☐	137	CELL MOL BIOL LETT	1425-8153	932	1.953	1.385	0.304	46	7.2	0.00147	0.359
☐	138	PATHOBIOLOGY	1015-2008	874	1.848	2.088	0.576	33	6.5	0.00203	0.584

El índice o factor de impacto: ¿Cómo se busca?

El **cuartil** sirve para ver la posición de la revista dentro de su categoría según su factor de impacto. Se ordenan las revistas de la categoría por el factor de impacto y se divide el total de las revistas entre cuatro. Las que ocupan el primer cuartil (Q1) son el 25% que tiene mayor factor de impacto.

CELL BIOLOGY 185 revistas	
CUARTIL	POSICIÓN
Q1	1-46
Q2	47-92
Q3	93-138
Q4	139-185

También se utilizan otras medidas como el tercil (que se divide el total de las revistas incluidas en la categoría por tres) o el decil (que se divide por diez)

Ventajas y críticas al índice de impacto

Ventajas del índice de impacto

- Es universal
- Es fácil de usar y de entender
- Los datos se publican anualmente (en junio del año siguiente) y se pueden acceder a ellos fácilmente
- Actualmente hay más de 12.000 revistas indexadas de más de 90 países y en más de 256 categorías
- Permite realizar comparaciones entre revistas
 - Ayuda al investigador a decidir a qué revista enviar su manuscrito
 - Facilita la selección de la revista a los bibliotecarios

Ventajas y críticas al índice de impacto

Críticas al índice de impacto

- El índice de impacto no mide la calidad del artículo
- El periodo de cálculo de 2 años es muy corto. Los artículos clásicos son citados durante muchos años.
- El tamaño de la comunidad científica al que sirve una revista afecta a su índice de impacto. Más artículos “super citados”
- De las más de 45.000 revistas publicadas sólo están incluidas 12.000
- Los artículos metodológicos y de revisión tienen mas FI que los que proveen de datos nuevos
- El FI es mayor en las ciencias básicas que en las clínicas
- Las revistas en inglés tienen más FI que en otros idiomas
- No se puede comparar el índice de impacto entre diferentes áreas temáticas

Ventajas y críticas al índice de impacto

Categoría	Nº Revistas			Ind Imp >			Ind Imp <			Ind Imp ½		
	2009	2010	2011	2009	2010	2011	2009	2010	2011	2009	2010	2011
Acústica	28	30	30	3.154	3.260	3.567	0.095	0.159	0.182	0.840	0.849	1.036
Biología celular	162	178	181	42.198	38.650	39.123	0.175	0.077	0.073	3.308	3.376	3.263
Química analítica	70	73	73	6.546	10.404	9.048	0.150	0.218	0.167	1.776	1.809	1.920
Matemáticas	255	279	289	4.174	4.864	3.841	0.108	0.044	0.052	0.633	0.584	0.561
Nanociencias y nanotecnologías	59	64	66	26.309	30.324	27.270	0.062	0.279	0.343	1.750	2.040	1.918
Neurociencias	231	239	244	26.483	29.510	30.445	0.043	0.020	0.043	2.766	2.783	2.748
Medicina investigativa y experimental	93	106	112	27.136	25.403	22.462	0.094	0.094	0.091	2.020	1.974	2.228
Medicina gral. e interna	133	153	155	47.050	53.486	53.298	0.054	0.028	0.018	1.275	1.104	1.132
Cardiología y sistemas cardiovasculares	95	114	117	14.856	14.432	14.739	0.053	0.006	0.005	1.949	1.993	2.067
Oncología	166	185	196	87.925	94.333	101.780	0.062	0.101	0.107	2.429	2.455	2.534
Oftalmología	49	56	58	7.755	10.340	9.455	0.157	0.096	0.040	1.530	1.362	1.462
Óptica	71	78	79	22.869	26.506	29.278	0.105	0.036	0.067	0.942	1.035	1.170

EJEMPLO DE LAS DIFERENCIAS ENTRE LAS CATEGORIAS INCLUIDAS EN EL JCR DURANTE TRES AÑOS CONSECUTIVOS
 Datos del JCR del año 2009, 2010 y 2011

El índice h : el creador de la idea

Jorge E Hirsch (Buenos Aires 1953)

- Profesor de física de la Universidad de California EEUU
- Se hizo famoso en EEUU en 2005 y 2006 por su pública advertencia del riesgo de una guerra nuclear con Irán
- Tiene más de 100 publicaciones



El índice h :

Jorge E Hirsch

- Profesor de Física en EEUU
- Se hizo famoso a través de una publicación pública en la revista *Science* con Irán
- Tiene más de 1000 citas

arXiv:physics/0508025v5 [physics.soc-ph] 29 Sep 2005

An index to quantify an individual's scientific research output

J. E. Hirsch

Department of Physics, University of California, San Diego
La Jolla, CA 92037-0319

I propose the index h , defined as the number of papers with citation number higher or equal to h , as a useful index to characterize the scientific output of a researcher.

PACS numbers:

For the few scientists that earn a Nobel prize, the impact and relevance of their research work is unquestionable. Among the rest of us, how does one quantify the cumulative impact and relevance of an individual's scientific research output? In a world of not unlimited resources such quantification (even if potentially distasteful) is often needed for evaluation and comparison purposes, eg for university faculty recruitment and advancement, award of grants, etc.

The publication record of an individual and the citation record are clearly data that contain useful information. That information includes the number (N_p) of papers published over n years, the number of citations (N_c^j) for each paper (j), the journals where the papers were published and their impact parameter, etc. This is a large amount of information that will be evaluated with different criteria by different people. Here I would like to propose a single number, the " h -index", as a particularly simple and useful way to characterize the scientific output of a researcher.

A scientist has index h if h of his/her N_p papers have at least h citations each, and the other ($N_p - h$) papers have no more than h citations each.

The research reported here concentrated on physicists, however I suggest that the h -index should be useful for other scientific disciplines as well. (At the end of the paper I discuss some observations for the h -index in biological sciences.) The highest h among physicists appears to be E. Witten's, $h = 110$. That is, Witten has written 110 papers with at least 110 citations each. That gives a lower bound on the total number of citations to Witten's papers at $h^2 = 12,100$. Of course the total number of citations ($N_{c,tot}$) will usually be much larger than h^2 , since h^2 both underestimates the total number of citations of the h most cited papers and ignores the papers with fewer than h citations. The relation between $N_{c,tot}$ and h will depend on the detailed form of the particular distribution[1, 2], and it is useful to define the proportionality constant a as

$$N_{c,tot} = ah^2. \quad (1)$$

I find empirically that a ranges between 3 and 5.

Other prominent physicists with high h 's are A.J. Heeger ($h = 107$), M.L. Cohen ($h = 94$), A.C. Goswami ($h = 94$), P.W. Anderson ($h = 91$), S. Weinberg ($h = 88$), M.E. Fisher ($h = 88$), M. Cardona ($h = 86$), P.G. deGennes ($h = 79$), J.N. Bahcall ($h = 77$), Z. Fisk

($h = 75$), D.J. Scalapino ($h = 75$), G. Parisi ($h = 73$), S.G. Louie ($h = 70$), R. Jackiw ($h = 69$), F. Wilczek ($h = 68$), C. Vafa ($h = 66$), M.B. Maple ($h = 66$), D.J. Gross ($h = 66$), M.S. Dresselhaus ($h = 62$), S.W. Hawking ($h = 62$).

I argue that h is preferable to other single-number criteria commonly used to evaluate scientific output of a researcher, as follows:

(0) Total number of papers (N_p): Advantage: measures productivity. Disadvantage: does not measure importance nor impact of papers.

(1) Total number of citations ($N_{c,tot}$): Advantage: measures total impact. Disadvantage: hard to find; may be inflated by a small number of 'big hits', which may not be representative of the individual if he/she is coauthor with many others on those papers. In such cases the relation Eq. (1) will imply a very atypical value of a , larger than 5. Another disadvantage is that $N_{c,tot}$ gives undue weight to highly cited review articles versus original research contributions.

(2) Citations per paper, i.e. ratio of $N_{c,tot}$ to N_p : Advantage: allows comparison of scientists of different ages. Disadvantage: hard to find; rewards low productivity, penalizes high productivity.

(3) Number of 'significant papers', defined as the number of papers with more than y citations, for example $y = 50$. Advantage: eliminates the disadvantages of criteria (0), (1), (2), gives an idea of broad and sustained impact. Disadvantage: y is arbitrary and will randomly favor or disfavor individuals; y needs to be adjusted for different levels of seniority.

(4) Number of citations to each of the q most cited papers, for example $q = 5$. Advantage: overcomes many of the disadvantages of the criteria above. Disadvantage: it is not a single number, making it more difficult to obtain and compare. Also, q is arbitrary and will randomly favor and disfavor individuals.

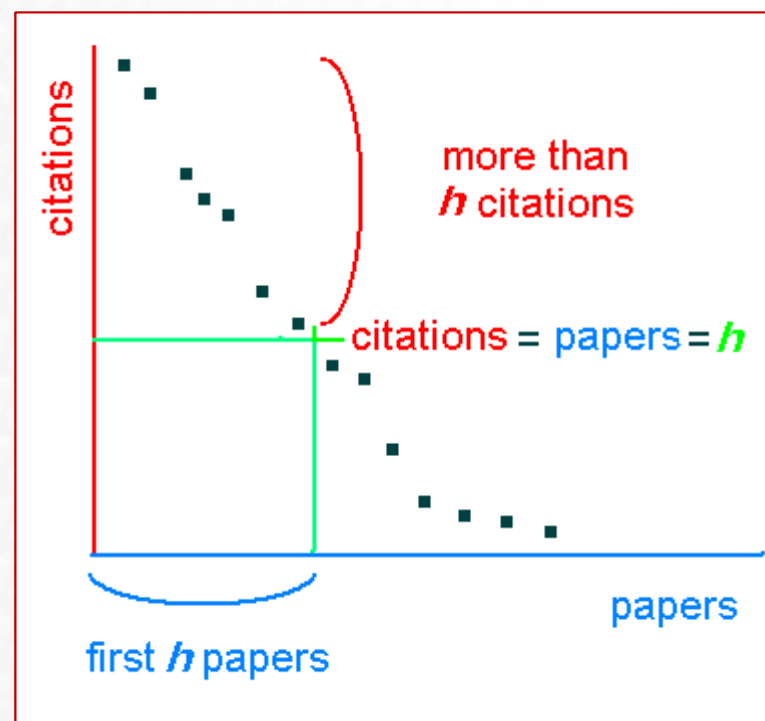
Instead, the proposed h -index measures the broad impact of an individual's work; it avoids all the disadvantages of the criteria listed above; it usually can be found very easily, by ordering papers by 'times cited' in the Thomson ISI Web of Science database[3]; it gives a ballpark estimate of the total number of citations, Eq. (1).

Thus I argue that two individuals with similar h are comparable in terms of their overall scientific impact, even if their total number of papers or their total number of citations is very different. Conversely, that between



El índice h : ¿Qué es?

Es un método que consiste en simplemente en ordenar los trabajos de un autor de forma decreciente en virtud de las citas recibidas por cada trabajo. En el momento en el que el rango (posición en la lista) supera o iguala al valor de la cita, ahí tenemos nuestro índice h . Esto significa que el autor tiene h trabajos con al menos h citas



El índice *h*: ¿Cómo se busca?

apps.webofknowledge.com/UA_GeneralSearch_input.do?product=UA&search_mode=GeneralSearch&SID=515vMTyFvVvALnu6YqOz&preferencesSaved=

WEB OF KNOWLEDGE

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Web of Science

All Databases | Search | Search History

All Databases

Search

Example: O'Brian C* OR O'Brian C*

AND | in | Author | Select from Index

Example: Cancer* OR Journal of Cancer Research and Clinical Oncology

AND | in | Publication Name | Select from Index

Add Another Field >>

Search | Clear

Limits: (To save these permanently, sign in or register.)

Timespan

All years

From 1900 to 2013 (default is all years)

Search Settings

Results Settings

View in: | 简体中文 | 繁體中文 | English | 日本語 | 한국어 | Português | Español

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- Data Citation IndexSM: Discover, use and cite research data. [More information.](#)
- [More of What's New](#)

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El índice *h*: ¿Cómo se busca?

apps.webofknowledge.com/WOS_GeneralSearch_input.do?highlighted_tab=WOS&product=WOS&last_prod=WOS&SID=S15vMTyFvVvALnu6YqQz&search_mode=GeneralSearch

WEB OF KNOWLEDGE™ | DISCOVERY STARTS HERE

Go to mobile site | Sign In | Marked List (0) | EndNote | ResearcherID | Citation Alerts | Saved Searches | Log Out | Help

All Databases | Select a Database | Web of Science | Additional Resources

Search | Author Search | Cited Reference Search | Advanced Search | Search History

Web of Science®

Search

Example: oil spill* me

AND

Example: O'Brian C*

Need help finding pag

AND

Example: Cancer* O

Add Another Field >>

Search Clear

Use Author Search.

Limits: (To save these permanently, sign in or register.)

Timespan

All years (updated 2013-10-16)

From 1900 to 2013 (default is all years)

Records processed from 2011 01 01 to 2013 10 17

Citation Databases

Science Citation Index Expanded (SCI-EXPANDED) --1900-present

Social Sciences Citation Index (SSCI) --1956-present

Arts & Humanities Citation Index (A&HCI) --1975-present

Conference Proceedings Citation Index- Science (CPCI-S) --1990-present

Conference Proceedings Citation Index- Social Science & Humanities (CPCI-SSH) --1990-present

Search Settings

Results Settings

View in: 简体中文 | 繁體中文 | English | 日本語 | 한국어 | Português | Español

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Data Citation Index™. Discover, use and cite research data. More information.

More of What's New

Featured Tips

Visualize citation connections at a glance with Citation Mapping (view demo).

Identify citation trends graphically with Citation Report (view demo).

How to update your ResearcherID profile.

Customize Your Experience

El índice *h*: ¿Cómo se busca?

WCS web of knowledge.com / AF/AFHome.do?edition=SCLAHCLSSCLISSHP,ISTP&product=WOS&SID=515vMTyfvvALnu6YqOz&startDate=null&endDate=null&returnURL=http%3A%2F%2Fapps.webofknowledge.com%2FWOS_GeneralSearch_in ☆ Google

WEB OF KNOWLEDGE™ | DISCOVERY STARTS HERE

THOMSON REUTERS

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Author Search

Enter Author Name → Select Research Domain → Select Organization

Last Name / Family Name (Required)
Example: Smith

Initial(s) (Up to 4 allowed)
Example: CE

☐ Exact Matches Only ⓘ

[Add Author Name Variant >>](#)

Clear Select Research Domain ▶ Finish Search

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El índice *h*: ¿Cómo se busca?

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<< Cancel Author Search

Author Search

Enter Author Name Select Research Domain Select Organization

	Last Name / Family Name (Required) Eiros Example: Smith	Initial(s) (Up to 4 allowed) JM Example: CE	☐ Exact Matches Only ⓘ
OR	Last Name / Family Name (Required) Eiros Bouza Example: Smith	Initial(s) (Up to 4 allowed) JM Example: CE	☐ Exact Matches Only ⓘ
OR	Last Name / Family Name (Required) Bouza Example: Smith	Initial(s) (Up to 4 allowed) JME Example: CE	☐ Exact Matches Only ⓘ
OR	Last Name / Family Name (Required) Eiros Example: Smith	Initial(s) (Up to 4 allowed) J Example: CE	☐ Exact Matches Only ⓘ
OR	Last Name / Family Name (Required) Eiros Bouza Example: Smith	Initial(s) (Up to 4 allowed) J Example: CE	☐ Exact Matches Only ⓘ

[Add Author Name Variant >>](#)

[Clear](#) [Select Research Domain ▶](#) [Finish Search](#)

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El índice *h*: ¿Cómo se busca?

The screenshot displays the 'Web of Knowledge' author search interface. The page title is 'Web of Science®' with the tagline 'DISCOVERY STARTS HERE'. The search process is divided into three steps: 'Enter Author Name', 'Select Research Domain' (which is the current step), and 'Select Organization'. The current selection(s) are listed as 'Eiros Bouza J* OR Bouza JME* OR Eiros J* OR Eiros JM* OR Eiros Bouza JM* (133)'. A 'Previous' button is available. Below this, a section titled 'Select the research domains associated with the author (optional)' contains a table with two columns: 'Research Domain' and 'Record Count'.

Research Domain	Record Count
☐ All Research Domains	133
☐ LIFE SCIENCES BIOMEDICINE	132
☐ SOCIAL SCIENCES	1
☐ TECHNOLOGY	1

A 'Previous' button is also present at the bottom of the domain selection section. The footer includes copyright information for Thomson Reuters and links to Terms of Use, Privacy Policy, and a feedback link.

El índice *h*: ¿Cómo se busca?

Web of Science®

<< Cancel Author Search

Author Search

Enter Author Name Select Research Domain Select Organization

Current selection(s): Eiros Bouza J* OR Bouza JME* OR Eiros J* OR Eiros JM* OR Eiros Bouza JM* (133)

Previous

Select the research domains associated with the author (optional)

Research Domain	Record Count
☐ All Research Domains	133
☒ LIFE SCIENCES BIOMEDICINE	132
☐ ALLERGY(2)	
☐ BIOCHEMISTRY MOLECULAR BIOLOGY(3)	
☐ BIOTECHNOLOGY APPLIED MICROBIOLOGY(1)	
☐ CARDIOVASCULAR SYSTEM CARDIOLOGY(3)	
☐ CELL BIOLOGY(3)	
☐ ENDOCRINOLOGY METABOLISM(1)	
☐ GENERAL INTERNAL MEDICINE(37)	
☐ HEMATOLOGY(1)	
☐ IMMUNOLOGY(24)	
☐ INFECTIOUS DISEASES(47)	
☐ MEDICAL LABORATORY TECHNOLOGY(4)	
☐ MICROBIOLOGY(40)	
☐ NUTRITION DIETETICS(2)	
☐ ONCOLOGY(3)	
☐ PATHOLOGY(1)	
☐ PEDIATRICS(4)	
☐ PHARMACOLOGY PHARMACY(15)	
☐ PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH(6)	
☐ RESEARCH EXPERIMENTAL MEDICINE(2)	
☐ RESPIRATORY SYSTEM(2)	
☐ SCIENCE TECHNOLOGY OTHER TOPICS(1)	
☐ SURGERY(1)	
☐ UROLOGY NEPHROLOGY(1)	
☐ VIROLOGY(14)	
☐ SOCIAL SCIENCES	1
☐ TECHNOLOGY	1

Previous

El índice *h*: ¿Cómo se busca?

wcs.webofknowledge.com/AF/authorFinder.do

Previous

Select the organizations associated with the author (optional)

Move to: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0-9

Organization Name	Abbreviation	Record Count
☐ ABBOTT LABRATORIES		1
☐ AUTONOMOUS UNIVERSITY OF BARCELONA		1
☐ BELLVITGE HOSP		1
☐ CHUAC		1
☐ CIBER EPIDEMIOL SALUD PUBL		1
☐ CLIN HOSP		1
☐ CLIN UNIV HOSP		2
☐ CLIN UNIV HOSP SACYL		1
☐ CLIN UNIV HOSP VALLADOLID IECSCYL		1
☐ COMPLEJO HOSP		5
☐ COMPLEJO HOSP JUAN CANALEJO		1
☐ COMPLEJO HOSP LEON		1
☐ COMPLEJO HOSP OURENSE		1
☐ COMPLEJO HOSP PALENCIA		2
☐ COMPLEJO HOSP UNIV JUAN CANALEJO		2
☐ COMPLEJO HOSP VIRGEN SALUD		3
☐ COMPLEJO HOSP XERAL CALDE		1
☐ COMPLEJO UNIV JUAN CANALEJO		1
☐ COMPLUTENSE UNIVERSITY OF MADRID		1
☐ CONSEJERIA SANIDAD		1
☐ CONSEJERIA SANIDAD CASTILLA LEON		2
☐ CONSEJERIA SANIDAD JUNTA DE CASTILLA LEON		2
☐ CONSORCI HOSP		1
☐ CS RONDILLA		1
☐ CTR NACL GRIPE		1
☐ CTR NACL INVEST		1

El índice *h*: ¿Cómo se busca?

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[<< Cancel Author Search](#)

Author Search

Enter Author Name

Select Research Domain

Select Organization

	Last Name / Family Name (Required) Eiros Example: Smith	Initial(s) (Up to 4 allowed) JM Example: CE	☐ Exact Matches Only i
OR	Last Name / Family Name (Required) Eiros Bouza Example: Smith	Initial(s) (Up to 4 allowed) JM Example: CE	☐ Exact Matches Only i
OR	Last Name / Family Name (Required) Bouza Example: Smith	Initial(s) (Up to 4 allowed) JME Example: CE	☐ Exact Matches Only i
OR	Last Name / Family Name (Required) Eiros Example: Smith	Initial(s) (Up to 4 allowed) J Example: CE	☐ Exact Matches Only i
OR	Last Name / Family Name (Required) Eiros Bouza Example: Smith	Initial(s) (Up to 4 allowed) J Example: CE	☐ Exact Matches Only i

[Add Author Name Variant >>](#)

Clear

Select Research Domain ▶

Finish Search

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El índice *h*: ¿Cómo se busca?

The image shows a screenshot of a Web of Science search results page. On the left, there is a sidebar with various filters for refining the search. The main area on the right displays a list of search results, each with a title, authors, journal information, and a DOI.

Search within results for

Web of Science Categories **Refine**

- ☐ INFECTIOUS DISEASES (47)
- ☐ MICROBIOLOGY (40)
- ☐ MEDICINE GENERAL INTERNAL (34)
- ☐ IMMUNOLOGY (24)
- ☐ PHARMACOLOGY PHARMACY (15)

[more options / values...](#)

Document Types **Refine**

- ☐ ARTICLE (88)
- ☐ LETTER (32)
- ☐ REVIEW (6)
- ☐ EDITORIAL MATERIAL (3)
- ☐ PROCEEDINGS PAPER (3)

[more options / values...](#)

Research Areas

Authors

Group Authors

Editors

Source Titles

Book Series Titles

Conference Titles

Publication Years

Organizations-Enhanced

Funding Agencies

Languages

Countries/Territories

For advanced refine options, use

Analyze Results

Search results list (partial):

- ...kinemia as early host response signature in severe pandemic influenza**
F. Ortiz de Lejarrá, Raul, Pumarola, Tomas, et al.
J. 13 Issue: 6 Article Number: R201 DOI: 10.1186/cc8208 Published: 2009
[tract]
- ...iae fungemia: An emerging infectious disease**
Enca-Estrella, M, et al.
DISEASES Volume: 40 Issue: 11 Pages: 1625-1634 DOI: 10.1086/429916 Published: JUN 1 2005
[tract]
- ...dissemination of the CTX-M-14 beta-lactamase in different Escherichia coli strains in the northwest area of Spain**
mas, M, et al.
MICROBIOLOGY Volume: 40 Issue: 11 Pages: 4030-4036 DOI: 10.1128/JCM.40.11.4030-4036.2002 Published: NOV 2002
[tract]
- ...oside reverse-transcriptase inhibitors and prevalence of HIV type 1 non-B subtypes are increasing among persons with recent infection in Spain**
uez, C; Colomina, J, et al.
rocom Study Grp
DISEASES Volume: 41 Issue: 9 Pages: 1350-1354 DOI: 10.1086/496982 Published: NOV 1 2005
[tract]
- ...viruses in patients recently infected with HIV-1 and lack of association with transmission of drug resistance**
Rodríguez, Carmen, García, Federico, et al.
roconver Study
OBIAL CHEMOTHERAPY Volume: 59 Issue: 4 Pages: 698-704 DOI: 10.1093/jac/dkm012 Published: APR 2007
[tract]
- ...c prescription in acute respiratory infections in adults**
glada, L, et al.
Grp Antibiotic Treat
N Volume: 41 Issue: 1 Pages: 73-83 DOI: 10.1053/jinf.2000.0689 Published: JUL 2000
[tract]
- ...tion: DEBONEL/TIBOLA**
rtillo, A, et al.
o, JA; Raoult, DA; et al.
nference on Rickettsiae and Rickettsial Diseases Location: Logrono, SPAIN Date: JUN 18-21, 2005
[tract]

El índice *h*: ¿Cómo se busca?

Results: 133

Refine Results

Search within results for: [Search](#)

▼ **Web of Science Categories** [Refine](#)

- ☐ INFECTIOUS DISEASES (47)
- ☐ MICROBIOLOGY (40)
- ☐ MEDICINE GENERAL INTERNAL (34)
- ☐ IMMUNOLOGY (24)
- ☐ PHARMACOLOGY PHARMACY (15)

[more options / values...](#)

▼ **Document Types** [Refine](#)

- ☐ ARTICLE (88)
- ☐ LETTER (32)
- ☐ REVIEW (6)
- ☐ EDITORIAL MATERIAL (3)
- ☐ PROCEEDINGS PAPER (3)

[more options / values...](#)

► **Research Areas**

► **Authors**

► **Group Authors**

► **Editors**

► **Source Titles**

► **Book Series Titles**

► **Conference Titles**

Countries/Territories [Refine](#) [Exclude](#) [Cancel](#) Sort these by: [Record Count](#) ▼

The first 100 Countries/Territories (by record count) are shown. For advanced refine options, use [Analyze results](#).

☐ SPAIN (133)	☐ CANADA (4)	☐ AUSTRALIA (1)
☐ USA (5)	☐ PEOPLES R CHINA (2)	

[Refine](#) [Exclude](#) [Cancel](#) Sort these by: [Record Count](#) ▼

El índice *h*: ¿Cómo se busca?

The screenshot shows the Web of Knowledge interface. The search results for 'Eiros Bouza J' are displayed, showing 133 records. A sorting dropdown menu is open, showing options for sorting by Publication Date (newest to oldest, oldest to newest), Processing Date (newest to oldest, oldest to newest), Times Cited (highest to lowest, lowest to highest), Relevance, First Author (A to Z, Z to A), Source Title (A to Z, Z to A), Conference Title (A to Z, Z to A), and a 'View abstract' link.

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All Databases | Select a Database | Web of Science | Additional Resources

Search | Author Search | Cited Reference Search | Advanced Search | Search History

Web of Science®

<< Back to Author Search

Author Search Results

Author=(Eiros Bouza J* OR Bouza JME* OR Eiros J* OR Eiros JM* OR Eiros Bouza JM*)
Timespan=All years. Databases=SCI-EXPANDED, A&HCI, SSCI, CPCI-SH, CPCI-S.

Create Alert / RSS

Results: 133 Records | 68 Record Sets

Results: 133 | Page 1 of 14 | Go

Refine Results

Search within results for

Web of Science Categories (47)

- INFECTIOUS DISEASES (47)
- MICROBIOLOGY (40)
- MEDICINE GENERAL INTERNAL (34)
- IMMUNOLOGY (24)
- PHARMACOLOGY PHARMACY (15)

more options / values...

Document Types (88)

- ARTICLE (88)
- LETTER (32)
- REVIEW (6)
- EDITORIAL MATERIAL (3)
- PROCEEDINGS PAPER (3)

more options / values...

Research Areas

- Authors
- Group Authors
- Editors
- Source Titles

Select Page | Add to Marked List (0) | Send to: my_endnote.com

1. Title: **Coagulase-negative Staphylococcus bacteraemia**
Author(s): Maria **Eiros, Jose**, Carrero, Ana, Carrero, Pablo A.; et al.
Source: REVISTA ESPANOLA DE QUIMIOTERAPIA Volume: 26 Issue: 2 Pages: 166-167 Published: JUN 2013
Times Cited: 0 (from Web of Science)

2. Title: **Rotavirus infection in adults: A reality in our environment**
Author(s): **Eiros Bouza, J** M.; Dominguez-Gil Gonzalez, M.; Perez Pascual, P.; et al.
Source: REVISTA CLINICA ESPANOLA Volume: 213 Issue: 4 Pages: 221-221 DOI: 10.1016/j.rce.2012.11.010 Published: MAY 2013
Times Cited: 0 (from Web of Science)

3. Title: **Pyelonephritis in pregnancy. How adequate is empirical treatment?**
Author(s): Artero, Arturo, Alberola, Juan, Maria **Eiros, Jose**, et al.
Source: REVISTA ESPANOLA DE QUIMIOTERAPIA Volume: 26 Issue: 1 Pages: 30-33 Published: MAR 2013
Times Cited: 0 (from Web of Science)

Sort by: Publication Date -- newest to oldest
Publication Date -- newest to oldest
Publication Date -- oldest to newest
Processing Date -- newest to oldest
Processing Date -- oldest to newest
Times Cited -- highest to lowest
Times Cited -- lowest to highest
Relevance
First Author -- A to Z
First Author -- Z to A
Source Title -- A to Z
Source Title -- Z to A
Conference Title -- A to Z
Conference Title -- Z to A

[View abstract]

El índice *h*: ¿Cómo se busca?

apps.webofknowledge.com/summary.do?product=WOS&parentProduct=WOS&search_mode=AuthorFinder&qid=38&SID=SL5vMTyVvVvLnu6YqOz&page=1&action=sort&sortBy=LC.D;PY.D;AU.A.en;SO.A.en;VL.D;PG.A&showFirstPage=1

Search within results for:

▼ Web of Science Categories (47)

- ☐ INFECTIOUS DISEASES (47)
- ☐ MICROBIOLOGY (40)
- ☐ MEDICINE GENERAL INTERNAL (34)
- ☐ IMMUNOLOGY (24)
- ☐ PHARMACOLOGY PHARMACY (15)

more options / values...

▼ Document Types

- ☐ ARTICLE (88)
- ☐ LETTER (32)
- ☐ REVIEW (6)
- ☐ EDITORIAL MATERIAL (3)
- ☐ PROCEEDINGS PAPER (3)

more options / values...

► Research Areas

► Authors

► Group Authors

► Editors

► Source Titles

► Book Series Titles

► Conference Titles

► Publication Years

► Organizations-Enhanced

► Funding Agencies

► Languages

► Countries/Territories

For advanced refine options, use

Select Page Send to:

- Title:** Th1 and Th17 hypercytokinemia as early host response signature in severe pandemic influenza
Author(s): Bermejo-Martin, Jesus F.; Ortiz de Lejarazu, Raul; Pumarola, Tomas; et al.
Source: CRITICAL CARE Volume: 13 Issue: 6 Article Number: R201 DOI: 10.1186/cc8208 Published: 2009
Times Cited: 111 (from Web of Science)
 [View abstract](#)
- Title:** Saccharomyces cerevisiae fungemia: An emerging infectious disease
Author(s): Munoz, P.; Bouza, E.; Cuenca-Estrella, M.; et al.
Source: CLINICAL INFECTIOUS DISEASES Volume: 40 Issue: 11 Pages: 1625-1634 DOI: 10.1086/429916 Published: JUN 1 2005
Times Cited: 110 (from Web of Science)
 [View abstract](#)
- Title:** Identification and broad dissemination of the CTX-M-14 beta-lactamase in different Escherichia coli strains in the northwest area of Spain
Author(s): Bou, G.; Cartelle, M.; Tomas, M.; et al.
Source: JOURNAL OF CLINICAL MICROBIOLOGY Volume: 40 Issue: 11 Pages: 4030-4036 DOI: 10.1128/JCM.40.11.4030-4036.2002 Published: NOV 2002
Times Cited: 71 (from Web of Science)
 [View abstract](#)
- Title:** Resistance to nonnucleoside reverse-transcriptase inhibitors and prevalence of HIV type 1 non-B subtypes are increasing among persons with recent infection in Spain
Author(s): de Mendoza, C.; Rodriguez, C.; Colomina, J.; et al.
Group Author(s): Spanish HIV Serocon Study Grp
Source: CLINICAL INFECTIOUS DISEASES Volume: 41 Issue: 9 Pages: 1350-1354 DOI: 10.1086/496982 Published: NOV 1 2005
Times Cited: 41 (from Web of Science)
 [View abstract](#)
- Title:** Prevalence of X4 tropic viruses in patients recently infected with HIV-1 and lack of association with transmission of drug resistance
Author(s): de Mendoza, Carmen; Rodriguez, Carmen; Garcia, Federico; et al.
Group Author(s): Spanish HIV Seroconverter Study
Source: JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY Volume: 59 Issue: 4 Pages: 698-704 DOI: 10.1093/jac/dkm012 Published: APR 2007
Times Cited: 37 (from Web of Science)
 [View abstract](#)
- Title:** Assessment of antibiotic prescription in acute respiratory infections in adults
Author(s): Ochoa, C.; Eiros, JM; Inglada, L.; et al.
Group Author(s): Spanish Study Grp Antibiotic Treat
Source: JOURNAL OF INFECTION Volume: 41 Issue: 1 Pages: 73-83 DOI: 10.1053/jinf.2000.0689 Published: JUL 2000
Times Cited: 34 (from Web of Science)
 [View abstract](#)
- Title:** Rickettsia slovaca infection: DEBONEL/TIBOLA
Author(s): Ibarra, V.; Oleo, J. A.; Portillo, A.; et al.
Book Editor(s): Hechemy, KE; Oleo, JA; Raoult, DA; et al.
Conference: 4th International Conference on Rickettsiae and Rickettsial Diseases Location: Logrono, SPAIN Date: JUN 18-21, 2005
Sponsored: Gobierno de La Rioja, Fund. Rioja Salud, European Soc. Clin. Microbiol. & Infect. Dis., Assoc. Soc. Rickettsiol.

El índice *h*: ¿Cómo se busca?

The screenshot displays the Web of Science interface. On the left, a sidebar contains a 'Web of Science Categories' section with a 'Refine' button. Below this, a list of categories is shown: Infectious Diseases (47), Microbiology (40), Medicine General Internal (34), Immunology (24), and Proceedings Paper (3). An orange arrow points from the 'Research Areas' filter in the sidebar to the search results. The main area shows a list of search results, including titles, authors, sources, and citation counts. The results are numbered 11 through 17. Each result includes a title, author(s), source, volume, issue, pages, publication date, and times cited. A 'View abstract' link is provided for each result.

Search within results for: [Search]

Select Page: [Add to Marked List (0)] [Send to: my.endnote.com]

11. Title: **Nutritional treatment for acquired immunodeficiency virus infection using an enterotropic peptide-based formula enriched with n-3 fatty acids: a randomized prospective trial**
Author(s): Roman, DAD; Bachiller, P; Izola, O, et al.
Source: EUROPEAN JOURNAL OF CLINICAL NUTRITION Volume: 55 Issue: 12 Pages: 1048-1052 Published: DEC 2001
Times Cited: 17 (from Web of Science) [View abstract]

13. Title: **Human immunodeficiency virus antibody testing by enzyme-linked fluorescent and Western blot assays using serum, gingival-crevicular transudate, and urine samples**
Author(s): Martinez, PM; Torres, AR; de Lejarazu, PO, et al.
Source: JOURNAL OF CLINICAL MICROBIOLOGY Volume: 37 Issue: 4 Pages: 1100-1106 Published: APR 1999
Times Cited: 16 (from Web of Science) [View abstract]

14. Title: **Trend and seasonality of tuberculosis in Spain, 1996-2004**
Author(s): Luquero, F. J.; Sanchez-Padilla, E.; Simon-Soria, F., et al.
Source: INTERNATIONAL JOURNAL OF TUBERCULOSIS AND LUNG DISEASE Volume: 12 Issue: 2 Pages: 221-224 Published: FEB 2008
Times Cited: 15 (from Web of Science) [View abstract]

15. Title: **Comparative study of single-dose and 24-hour multiple-dose antibiotic prophylaxis for cardiac surgery**
Author(s): Tamayo, Eduardo; Gualis, Javier; Florez, Santiago; et al.
Source: JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY Volume: 136 Issue: 6 Pages: 1522-1527 DOI: 10.1016/j.jtcvs.2008.05.013 Published: DEC 2008
Times Cited: 14 (from Web of Science) [View abstract]

16. Title: **Gastroenteritis by rotavirus in Spanish children. Analysis of the disease burden**
Author(s): Luquero Alcalde, Francisco Javier; **Elos Bouza, Jose** Maria; Perez Rubio, Alberto, et al.
Source: EUROPEAN JOURNAL OF PEDIATRICS Volume: 167 Issue: 5 Pages: 549-555 DOI: 10.1007/s00431-007-0550-8 Published: MAY 2008
Times Cited: 14 (from Web of Science) [View abstract]

17. Title: **Molecular characterization of the gene encoding a new AmpC beta-lactamase in a clinical strain of Acinetobacter genomic species 3**
Author(s): Beceiro, A; Dominguez, L; Ribera, A, et al.
Source: ANTIMICROBIAL AGENTS AND CHEMOTHERAPY Volume: 48 Issue: 4 Pages: 1374-1378 DOI: 10.1128/AAC.48.4.1374-1378.2004 Published: APR 2004
Times Cited: 14 (from Web of Science) [View abstract]

El índice *h*: ¿Cómo se busca?

The screenshot displays the Web of Knowledge interface. At the top, the URL is `apps.webofknowledge.com/InboundService.do?SID=SL5vMTyfvvALnu6YqOz&Func=Links&action=search&mode=AuthorFinder&product=WOS&viewType=summary&af_auth=Eiros Bouza J* OR Bouza JME* OR Eiros J* OR Eiros JM* OR Eirc`. The page header includes the 'WEB OF KNOWLEDGE' logo and the tagline 'DISCOVERY STARTS HERE'. The Thomson Reuters logo is in the top right corner. Navigation links include 'Sign In', 'Marked List (0)', 'EndNote', 'ResearcherID', 'Citation Alerts', 'Saved Searches', 'Log Out', and 'Help'.

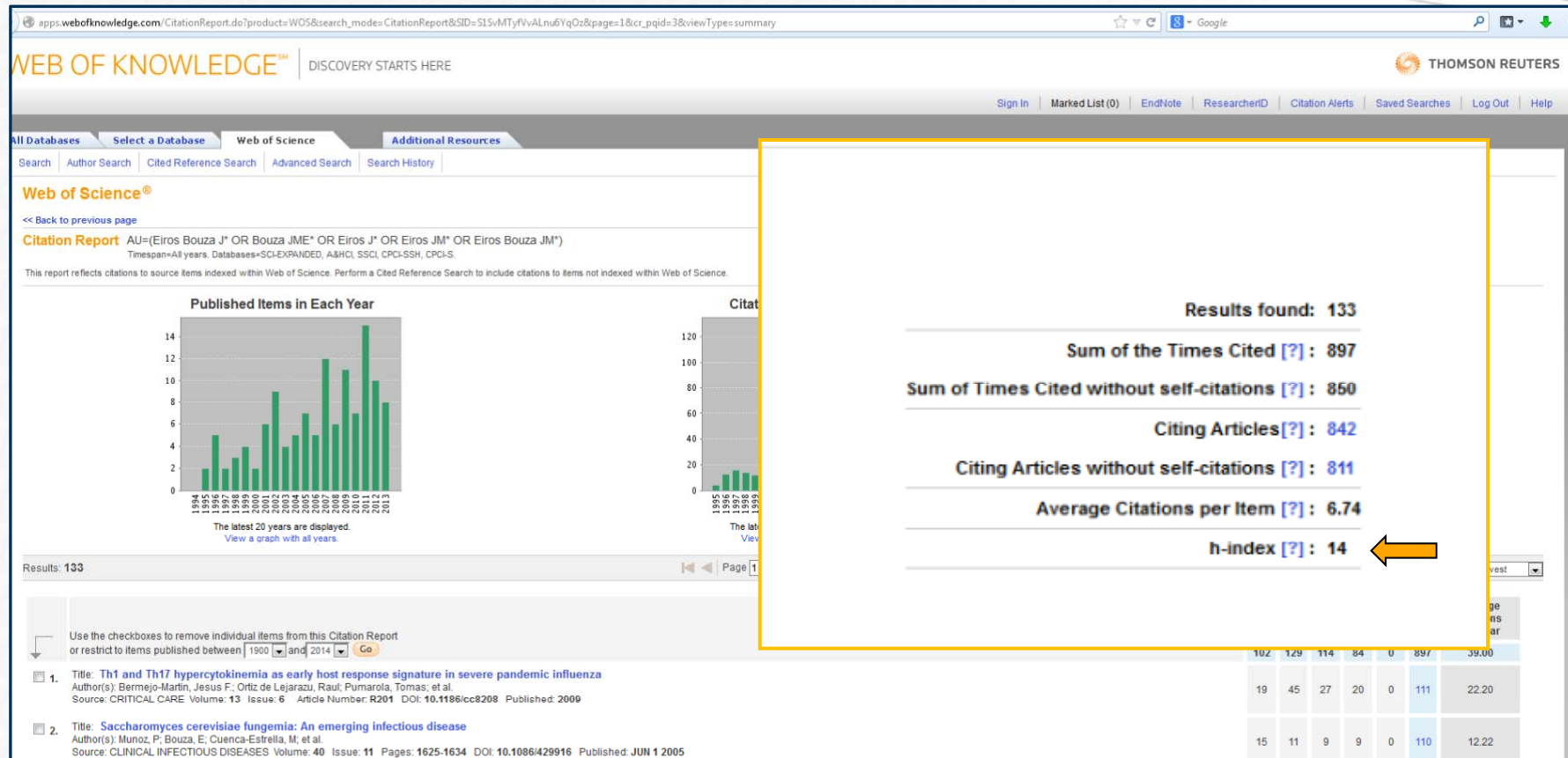
The main navigation bar shows 'All Databases', 'Select a Database', 'Web of Science', and 'Additional Resources'. Below this, there are tabs for 'Search', 'Author Search', 'Cited Reference Search', 'Advanced Search', and 'Search History'. The 'Web of Science' section is active, showing 'Author Search Results' for the query `Author=(Eiros Bouza J* OR Bouza JME* OR Eiros J* OR Eiros JM* OR Eiros Bouza JM*)` with a time span of 'All years' and databases 'SCI-EXPANDED, A&HCI, SSCI, CPCI-SSH, CPCI-S'. A 'Create Alert / RSS' button is present.

The search results show 133 records and 68 record sets. A 'Refine Results' sidebar on the left allows filtering by 'Web of Science Categories' (e.g., Infectious Diseases, Microbiology) and 'Document Types' (e.g., Article, Letter, Review). The main results area lists three items:

- Title:** Coagulase-negative Staphylococcus bacteraemia
Author(s): Maria Eiros, Jose Carrero, Ana Carrera, Pablo A.; et al.
Source: REVISTA ESPANOLA DE QUIMIOTERAPIA Volume: 26 Issue: 2 Pages: 166-167 Published: JUN 2013
Times Cited: 0 (from Web of Science)
- Title:** Rotavirus infection in adults: A reality in our environment
Author(s): Eiros Bouza, J. M.; Dominguez-Gil Gonzalez, M.; Perez Pascual, P.; et al.
Source: REVISTA CLINICA ESPANOLA Volume: 213 Issue: 4 Pages: 221-221 DOI: 10.1016/j.rce.2012.11.010 Published: MAY 2013
Times Cited: 0 (from Web of Science)
- Title:** Pyelonephritis in pregnancy. How adequate is empirical treatment?
Author(s): Artero, Arturo; Alberola, Juan; Maria Eiros, Jose et al.
Source: REVISTA ESPANOLA DE QUIMIOTERAPIA Volume: 26 Issue: 1 Pages: 30-33 Published: MAR 2013
Times Cited: 0 (from Web of Science)

At the bottom right, a yellow box highlights two buttons: 'Analyze Results' and 'Create Citation Report', with an orange arrow pointing from the search results area towards them.

El índice *h*: ¿Cómo se busca?



El índice h : Ventajas y críticas

Ventajas del índice h de Hirsch

- Es universal
- Es fácil de usar y de entender
- Se puede acceder a los datos fácilmente
- Permite crear índices de referencia h_R
- Sirve para evaluar investigadores de una manera más objetiva teniendo en cuenta la calidad de su artículo

El índice h : Ventajas y críticas

Críticas al índice h de Hirsch

- La cantidad de citas no refleja la calidad de un trabajo. Por ejemplo un trabajo aplicado puede ser muy útil y no tener muchas citas o al contrario las “falsas investigaciones” pueden tener muchas citas

El índice h : Ventajas y críticas

Críticas al índice h de Hirsch

- La cantidad de citas no refleja la calidad de un trabajo. Por ejemplo un trabajo aplicado puede ser muy útil y no tener muchas citas o al contrario las “falsas investigaciones” pueden tener muchas citas
- El índice h depende del tamaño de la población de los científicos que trabajan en un determinado tema.
- Los temas de moda tienen más probabilidad de tener un índice h más alto.
- Los autores pueden publicar sobre otras disciplinas que no sean su especialidad y recibir muchas citas
- No tiene en cuenta el tiempo que lleva trabajando un investigador
- No se pueden comparar investigadores de diferentes áreas

COMPARACIÓN ENTRE INVESTIGADORES ESPAÑOLES

Autor	Institución	Categoría	Docs	Citas	Índice <i>h</i>	Citas/docs
Nualart, D	Universidad de Barcelona	Matemáticas	128	932	16	7,28
Soria, B	Centro Andaluz de Biol Mol y Med Regenerativa	Biología Celular	149	2123	25	14,24
Oro, LA	CSC- Univ de Zaragoza	Química	465	9608	44	20,66
López Barneo, J	Universidad de Sevilla	Bioquímica y Biol Mol	118	3121	30	26,44
Sanz Serna, JM	Universidad de Valladolid	Matemáticas	83	1333	21	16,06
Zuazua, E	Univ. Autónoma de Madrid	Matemáticas	144	1315	18	9,13
Duarte, CM	Universidad Illes Balears	Biología	255	5643	40	22,12
Barbacid, M	CNIO	Biología y Genética Mol	219	29022	78	132,52
Rodes Teixidor, J	Universidad de Barcelona	Medicina Clínica	1050	26096	85	24,85

Grupo Scimago. “El índice *h* de Hirsch: su aplicación a algunos de los científicos españoles más destacados”.
En: El profesional de la información, 2007, enero-febrero, v. 16, n. 1, pp. 47-49

El índice h : Ventajas y críticas

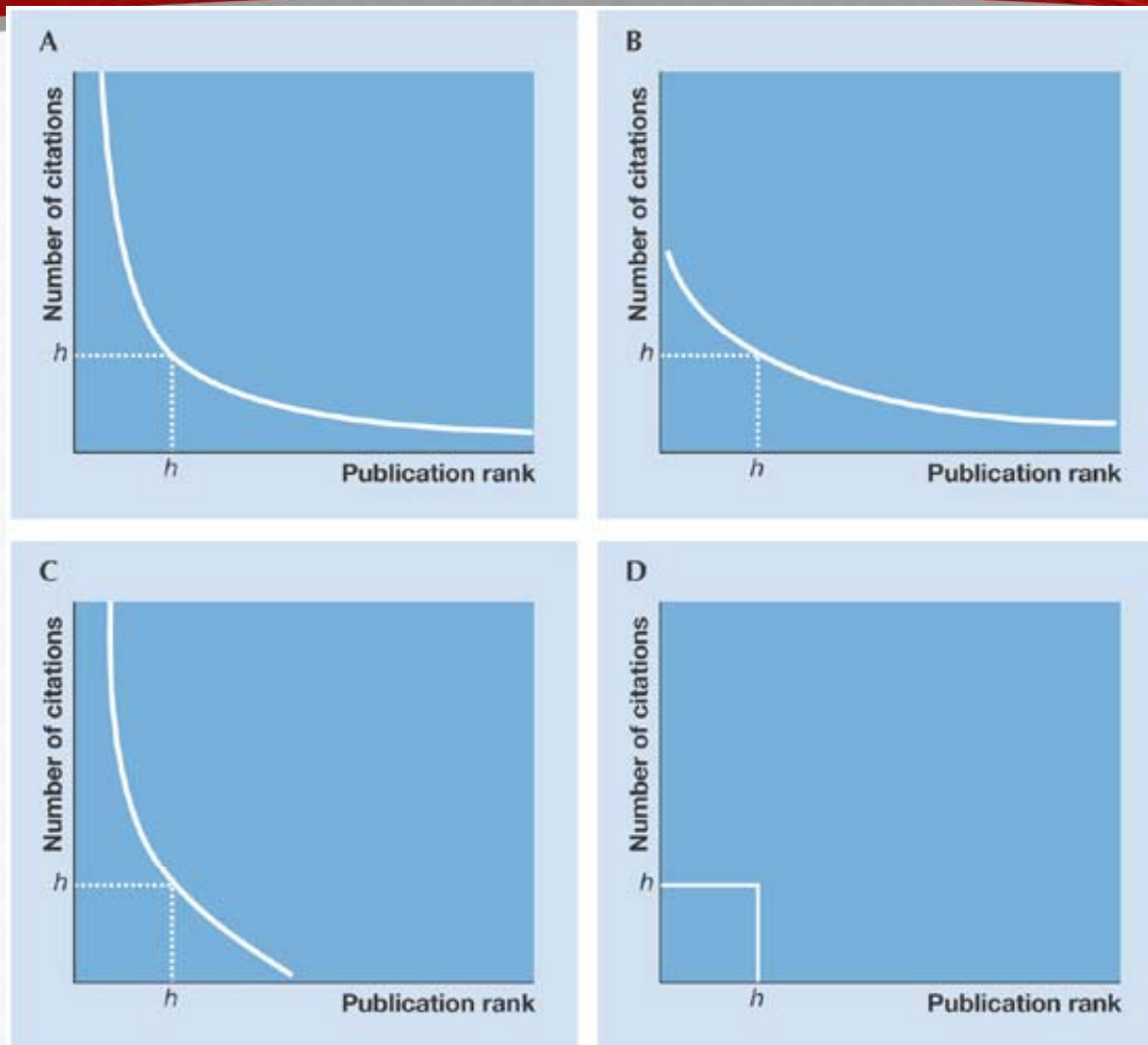
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- No tiene en cuenta el tiempo que lleva trabajando un investigador
- No se pueden comparar investigadores de diferentes áreas
- Hay distintos investigadores con distintas curvas de productividad que tienen el mismo índice h

El índice *h*: Ventajas y críticas

Orden artículo (por nº citas)	Citas recibidas a artículos de distintos investigadores			
	Investigador 1	Investigador 2	Investigador 3	Investigador 4
1	289	34	150	12
2	142	33	72	10
3	113	29	26	9
4	62	26	20	8
5	47	25	18	7
6	34	23	11	6
7	5	6	1	0
8	4	6	1	0
9	3	4	0	0
10	1	4	0	0

El índice h : Ventajas y críticas



Otros índices derivados del índice h (más de 20)

El índice W: Un investigador tiene un índice- w si w de sus artículos tienen al menos $10w$ citas cada uno, y los demás artículos tienen menos de $10(w+1)$ citas.

El índice G: En esta propuesta se tiene en cuenta si los artículos citados son altamente citados o no. Para el autor no es lo mismo que un artículo haya sido citado 10 veces, que 100 o que 1000 y les da distintos valores dependiendo del número de citas recibidas

El índice R: mide la intensidad de las citas de los artículos

El índice AR: tiene en cuenta la edad de los artículos

Estos dos índices son propuestos como complementarios al índice h

El índice E: de exceso de citas

El índice h de Hirsch 2: en 2009 *Hirsch* publicó otro artículo con un índice alternativo al original propuesto por él en el que tiene en cuenta el número de coautores de un artículo

El índice h futuro: pretende saber el índice que tendrá un investigador en un futuro partiendo de sus publicaciones actuales.

Otros índices derivados del índice *h*

	indices values of scientists						
	A	B	C	D	E	F	G
h-index	10	10	10	10	10	10	10
g-index	17	17	15	● 18	17	17	13
A-index	29	29	24	● 34	29	29	18,5
R-index	17	17	15,5	● 18,4	17	17	13,6
h_w-index	● 16,7	13,8	12,6	14,1	13,9	15,3	12,2
w-index	● 3	2	2	2	2	● 3	2
i×ci-index	● 252	150	112	200	170	150	112
A(2)-index	● 5	4	4	4	4	● 5	4
h-core citations	290	290	240	● 340	290	290	185

Otros índices derivados del índice h

h-core research output of scientists							
j	A	B	C	D	E	F	G
1	35	150	100	200	85	50	30
2	34	20	20	20	85	50	25
3	33	20	20	20	23	50	24
4	32	19	19	19	20	30	22
5	31	17	17	17	18	28	17
6	30	16	16	16	15	25	16
7	29	14	14	14	14	20	16
8	28	14	14	14	10	16	14
9	28	10	10	10	10	11	11
10	10	10	10	10	10	10	10

Conclusiones

- Es imprescindible evaluar la actividad de investigación
- Los indicadores bibliométricos son unas de las herramientas para evaluar la actividad investigadora
- Para una correcta evaluación hay que utilizar más de un indicador
- Periódicamente se proponen indicadores nuevos para cubrir las deficiencias de los indicadores actuales pero estos a su vez siguen teniendo deficiencias y todavía no existe uno que sea perfecto
- Algunos indicadores nuevos propuestos complementan a los anteriores y utilizándolos conjuntamente son menos deficientes que utilizándolos individualmente
- El factor de impacto (FI) se propuso para evaluar la calidad de las revistas y se utiliza para evaluar al investigador
- No se puede comparar ni revistas ni investigadores de diferentes áreas
- El índice h evalúa más objetivamente la calidad del artículo que el FI porque tiene en cuenta las citas que ha recibido el artículo

Muchas gracias por su atención

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